

REVISED ANADROMOUS STREAM CATALOG OF SOUTHEASTERN ALASKA

Appendix A - District 1

Volume II

Eastern Behm Canal Area Survey Data

By:
John Edgington
and
Robert Larson

ADF&G TECHNICAL DATA REPORTS

This series of reports is designed to facilitate prompt reporting of data from studies conducted by the Alaska Department of Fish and Game, especially studies which may be of direct and immediate interest to scientists of other agencies.

The primary purpose of these reports is presentation of data. Description of programs and data collection methods is included only to the extent required for interpretation of the data. Analysis is generally limited to that necessary for clarification of data collection methods and interpretation of the basic data. No attempt is made in these reports to present analysis of the data relative to its ultimate or intended use.

Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revision will be made via errata sheets. Major revisions will be made in the form of revised reports.

REVISED ANADROMOUS STREAM CATALOG OF SOUTHEASTERN ALASKA

Ву

John Edgington

and

Robert Larson Alaska Department of Fish and Game Division of Commercial Fisheries Ketchikan, Alaska

1977

Appendix A - District 1

Volume II

Eastern Behm Canal Area Survey Data

CROSS INDEX OF STREAM NUMBERS

ADF&G NUMBER	NAME AND/OR LOCATION	PREVIOUS NUMBERS
101-41-35	Alava Creek	K67, 67
101-51-06	Checats	к38, 34
101-51-10	Winstanley Creek	K37, 33
101-51-13	.8 mi. S-SE southern entrance to Shoalwater Pass.	K36A, 32
101-51-17	1.3 mi. no. Pt. Trollop.	K36, 31
101-51-34	Between Pt. Sykes and Pt. Nelson	K29, 24
101-51-78	Princess Bay	K69, 69
101-51-90	Ella Creek	K72, 72
101-51-97	Sargeant Bay	к73, 73
101-55-09	Cabin Creek	K35, 30
101-55-20	Wilson River	K34, 29
101-55-40	Blossom River	K34-1
101-55-50	Wolverine Creek	K34A, 29A
101-55-60	Bakewell Creek	K33, 28A
101-55-73	Bakewell River (ladder)	K32, 28
101-55-81	Sheridan Creek, So. shore opposite Cabin Cove.	K31B, 27A
101-55-83	Smeaton Bay, 2 mi. E. Carp Island.	K31A, 27
101-55-87	Skull Creek	K31, 26
101-55-95	Carp Creek	К30, 25
101-60-09	Nooya Creek	к42, 38
101-60-15	Rudyerd River	K41, 36
101-60-20	Sandpiper Creek (Rudyerd Bay)	K41A, 36A
101-60-25	Boulder Creek	K40, 38A
101-60-30	Big Goat Creek	K39, 37

CROSS INDEX OF STREAM NUMBERS

ADF&G NUMBER	NAME AND/OR LOCATION	PREVIOUS NUMBERS
101-71-04	Chickamin River	K44
101-71-04Q	Grizzly Creek (Barrier)	K44-4
101-71-06	Clearwater Creek	K44-5, 40A (FRI)
101-71-08	Humpy Creek	K44-3, 40C
101-71-14	King Creek	K44-2, 40B
101-71-16	Choca Creek	K44-1, 40A
101-71-18	Basin Creek (D.J. Creek)	K44
101-71-25	Walker Cove no. head	K43B, 39C
101-71-26	Walker Cove so. head	K43A, 39A, 39B
101-71-28	Walker Creek	K43, 39
101-71-43	Manzanita	K74, 74
101-71-50	Grace Creek	K75, 75
101-71-59	Snip Creek	K76, 76
101-71-63	Portage Creek	K77, 77
101-75-05	Herman Creek	K50, 45
101-75-10	Grant Creek	K49, 44
101-75-15	Eulachon	K48-1, 43
101-75-17	Clear Creek, N.W. shore Unuk River	
101-75-30	Unuk River	K48, 43
101-75-50	Klahini River	K47, 43A
101-75-72	Fitzgibbon Cove (W)	K46A, 42A
101-75-76	Saks (Sacs) Creek	K46, 42
101-75-80	Robinson Creek	K45, 41
101-75-85	Indian Creek	K78, 78

01 /1 20	14		FT ²	<u>m</u> 2	AREA	$AREA - M^2$
.01-41-30	14	2,000	28,000	2,601	40	1,040
.01-41-33	LIMITE	ED SPAWNIN	G/REARING			
.01-41-35 .lava Creek	35	5,000	175,000	16,258	60	9,755
01-51-03 dith Pt. Creek	16	150	2,400	223	90	200
01-51-04 Checats Cove	4	100	400	37	20	7
01-51-06 hecats	60	3,500	210,000	19,509	20	3,902
01-51-10 instanley	60	600	36,000	3,344	35	1,171
.01-51-12	LIMITE	ED SPAWNIN	G/REARING		,	
.01-51-13	15	4,000	60,000	5,574	65	3,623
.01-51-17	38	300	11,400	1,059	15	159
01-51-20	LIMITE	ED SPAWNIN	G/REARING			
01-51-25 Big Notch Creek	15	2,100	31,500	2,926	25	732
01-51-32 Cannery Creek	43	1,500	64,500	5,992	20	1,198
LO1-51-34 Piles Creek	15	600	9,000	836	15	125
101-51-36	LIMIT	ED SPAWNIN	G/REARING			
l01-51-38 Island Creek	22	600	13,200	1,226	20	245
L01-51-40	LIMIT	ED SPAWNIN	G/REARING			
101-51-46	8	2,640	21,120	1,962	70	1,373

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	м ²	PERCENT SPAWNING AREA	SPAWNING AREA - M ²
101-51-48	LIMITEI	SPAWNIN	G/REARING			
101-51-50 Wolf Creek	24	7,920	190,080	17,658	70	12,361
101-51-54	8	3,960	31,680	2,943	75	2,207
101-51-56	25	6,600	165,000	15,329	50	7,664
101-51-58	18	1,980	35,640	3,311	40	1,324
101-51-59	9	300	2,700	250	60	150
101-51-61	12	3,564	42,768	3,973	50	1,987
101-51-67 Narrow Pass Creek	40	1,320	1,320 52,800 4,905 85		85	4,169
101-51-70	LIMITEI	SPAWNIN	G/REARING			
101-51-73	15	3,300	49,500	4,599	55	2,529
101-51-76	20	1,320	26,400	2,453	40	981
101-51-78	30	3,900	117,000	10,869	50	3,435
101-51-81	LIMITE	SPAWNIN	G/REARING			
101-51-82	12	660	7,920	7,361	40	294
101-51-84	LIMITE	SPAWNIN	G/REARING			
101-51-85	LIMITEI	SPAWNIN	G/REARING			
101-51-87	18	1,320	23,760	2,207	30	662
101-51-90 Ella Creek	50	500	25,000	2,322	60	1,394
101-51-93	LIMITEI	SPAWNIN	G/REARING			
101-51-95 Sergeant Bay	LIMITEI	SPAWNIN	G/REARING			
101-51-97 L.Hd. Sergeant B.	15 40	900 1,500	13,500 60,000	1,254 5,574	15 75 TOTAL	4,369
				TOTAL 1	01-51	56,261

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	м ²	PERCENT SPAWNING AREA	SPAWNING AREA - M ²
101-55-09 Cabin Creek (Bartholomew)	45	5,280	237,600	22,073	70	15,451
101-55-20 Wilson River upstream intertidal	110 250	23,000 5,000	2,530,000 1,250,000	235,037 116,125	80 50 TOTAL	188,000 58,000 246,000
101-55-40 Blossom River	120	47,520	5,702,400	529,753	65	344,000
101-55-50 Wolverine Creek	35	3,960	138,600	12,876	30	3,863
101-55-55	LIMIT	ED SPAWNI	NG/REARING			
101-55-60 Bakewell Arm L. H	45 lead	6,500	292,500	27,173	60	16,304
101-55-65 Bakewell Arm Hd.	15	150	2,250	209	10	21
101-55-70 Bakewell Arm R. H		ED SPAWNI	NG/REARING			
101-55-73 Bakewell River	75	1,056	79,200	7,358	5	368
101-55-76	LIMIT	ED SPAWNI	NG/REARING			
101-55-79 Heavy Creek	25	300	7,500	697	15	105
101-55-81	LIMIT	ED SPAWNI	NG/REARING			
101-55-83 Red Creek	43	1,800	77,400	7,190	15	1,079
101-55-87 Skull Creek	50	3,000	150,000	13,935	40	5,574
101-55-90	LIMIT	ED SPAWNI	ING/REARING			
101-55-95 Carp Creek	60	1,500	90,000	8,361	30	2,508
				TOTAL 2	101-55	635,273

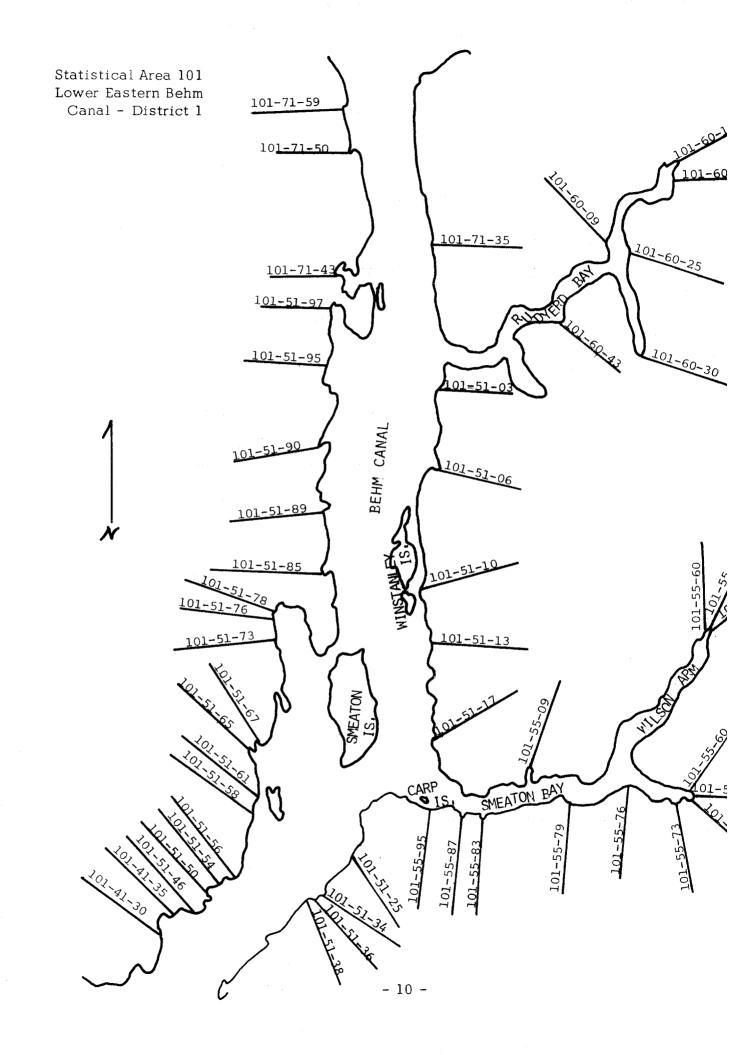
STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	м ²	PERCENT SPAWNING AREA	SPAWNING AREA - M ²
101-60-09 Nooya Creek	40 40	1,320 1,320	52,800 52,800	4,905 4,905	15 25 TOTAL	736 1,226 1,962
101-60-15 Rudyerd River	90 75	2,500 1,500	225,000 1,125,000	20,903 10,451	15 40 TOTAL	7,316
101-60-20 Sandpiper Creek	25 25	1,000 2,000	•		75 35 TOTAL	3,368
101-60-25 Boulder Creek	50	3,960	198,000	18,394	20	3,679
101-60-30 Big Goat Creek	70 50 50	600 1,500 2,500	42,000 75,000 125,000	3,902 6,968 11,613	60 60 25 TOTAL	9,425
101-60-35	LIMITED	SPAWNIN	IG/REARING			•
101-60-40	LIMITED	SPAWNIN	G/REARING			
101-60-43 Rudyerd Bay	LIMITED	SPAWNIN	G/REARING			
101-60-48	LIMITED	SPAWNIN	G/REARING			
101-60-53	LIMITED	SPAWNIN	G/REARING			
				TOTAL 1	01-60	25,750
101-71-04B LuDuc Lake Creek	78	400	31,200	2,898	60	1,739
101-71-04F Butler Creek	35	2,500	87,500	8,129	50	4,064
101-71-04G Andrews Creek	40	5,000	200,000	18,580	35	6,503
101-71-04K Indian Creek	50	5,000	250,000	23,225	50	11,613
101-71-04Q Barrier Creek	60	7,500	450,000	41,805	40	16,722
101-71-06 Clear Creek	30	500	15,000	1,394	70	975

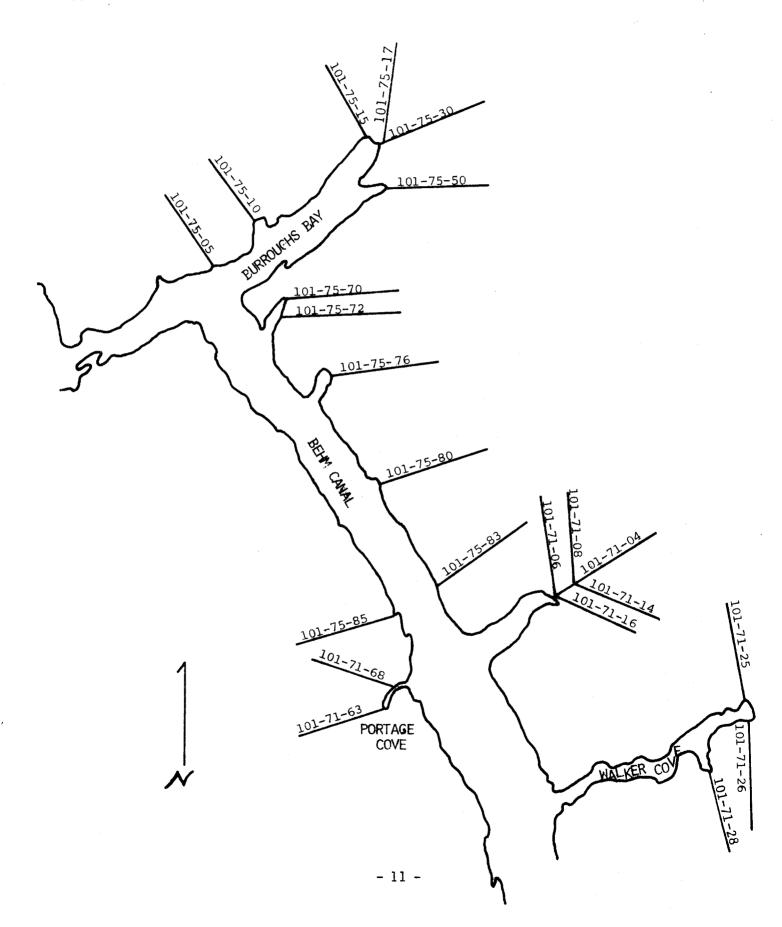
STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	м ²	PERCENT SPAWNING AREA	SPAWNING AREA - M. ²
101-71-08 Humpy Creek	39	8,000	8,000 312,000 28,985 65		18,840	
101-71-14 King Creek	50	26,400	1,320,000	122,628	40	49,051
101-71-16 Choca Creek	37	7,500	277,500	25,780	60	15,468
101-71-20	LIMITE	D SPAWNI	NG/REARING			
101-71-25 Walker Head	15	4,224	63,360	5,886	60	3,532
101-71-26 Walker Creek	25	3,500	87,500	8,129	30	2,439
101-71-28	70	4,000	28,000	26,012	60	15,607
101-71-35	20	1,275	25,500	2,369	90	2,132
101-71-43	100 140	1,320 600	132,000 84,000	12,263 7,804	5 30 TOTAL	613 2,341 2,954
101-71-44 Cutbank Creek	25	900	22,500	2,090	15	314
101-71-45 NE hd. Manzanita		ED SPAWNI	NG/REARING			
101-71-50 Grace Creek	50 45	850 1,700	42,500 76,500	3,948 7,107	60 85 TOTAL	8,410
101-71-57	LIMITE	ED SPAWNI	NG/REARING			
101-71-59 Gorge Creek	50	900	45,000	4,181	20	836
101-71-63 Portage	120 100 80 35	5,000 7,500 1,500 5,000	600,000 750,000 120,000 175,000	55,740 69,675 11,148 16,258	50 70 40 60 TOTAL	27,870 48,770 4,460 <u>9,750</u> 90,850
101-71-68 Slide Creek	15	1,200	18,000	1,672	15	251
				TOTAL	101-71	252,300

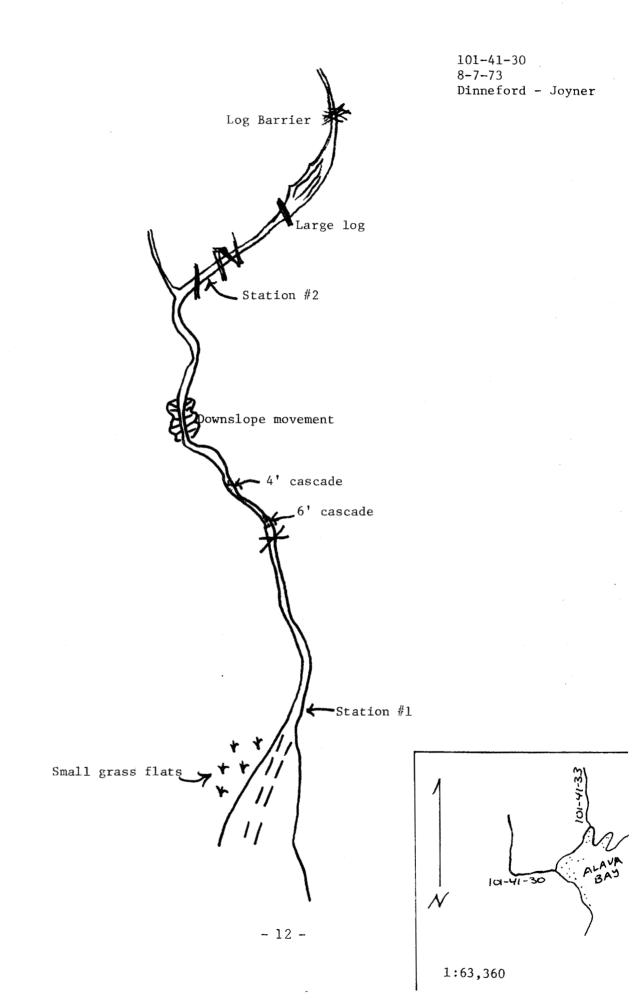
STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	_M ²	PERCENT SPAWNING AREA	SPAWNING AREA - M ²
101-75-01 Cliff Creek	10 36	300 100	3,000 3,600	279 334	5 40 TOTAL	148
101-75-05 Herman Creek	45	10,500	472,500	43,895	65	28,500
101-75-10 Grant Creek	150	26,400	3,960,000	367,884	50	183,900
101-75-15 Eulachon River	45 40	5,500 10,000	247,500 400,000	22,993 37,160	80 35 TOTAL	31,400
101-75-17 Clear Creek (lower	·) 40	1,200	48,000	4,459	35	1,561
101-75-30 Unuk River						
101-75-30D Kerr Creek	23	2,500	57,500	5,342	25	1,355
101-75-30G Sawmill Creek	25	400	10,000	929	65	604
101-75-30M Beaver Dam Creek	20	1,350	27,000	2,508	35	878
101-75-30N Cottonwood Creek	19	1,000	19,000	1,765	35	618
101-75-30Q Cripple Creek	25	5,000	125,000	11,613	50	5,806
101-75-30R Gene's Lake Creek	30	7,500	225,000	20,903	45	9,406
101-75-30T Lake Creek	45 45	400 2,500	18,000 112,500	1,672 10,451	70 20 TOTAL	3,261
101-75-30U Kingsbury Creek	26	4,224	109,824	10,203	60	6,122
101-75-50 Klahini River	50	15,000	750,000	69,675	45	31,354
101-75-69&70 Fitsgibbon Cove Ho	8 1. 10	600 1,200	4,800 12,000	446 1,115	5 10 TOTAL	22 111 133

SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT ²	м ²	PERCEN'T SPAWNING AREA	SPAWNING AREA - M ²
101-75-72 Fitsgibbon Cove	20	900	18,000 1,672 10		167	
101-75-76 Saks Creek	75	2,500	187,500	187,500 17,419 60		10,451
101-75-80 Robinson Creek	70	4,500	315,000	29,264	60	17,560
101-75-83 Hat Creek	10	210	2,100	195	25	49
101-75-85	40	750	30,000	2,787	15	418
				TOTAL 1	01-75	333,671







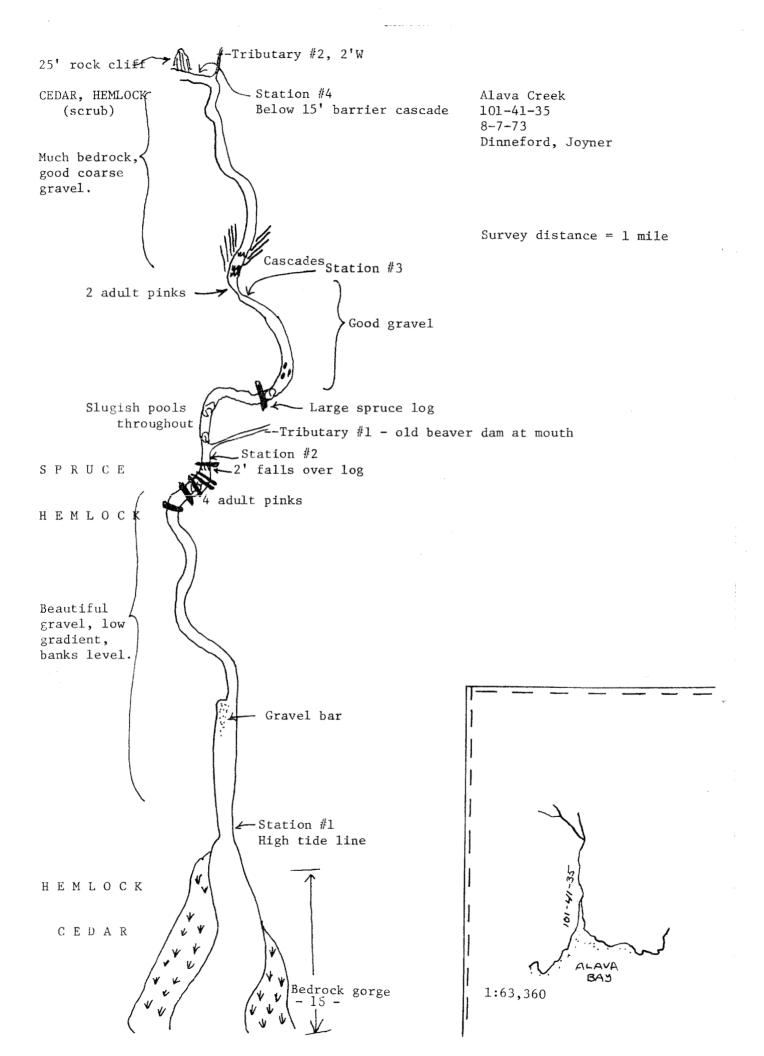
Name		Catalog No. 101-41-30	
Latitude N	55° 13' 33" 1 131° 09' 13" No. Ketchikan A -4	WR No.	
Longitudew	131° 09' 13"	K No.	
Geodetic Map 1	O. Ketchikan A -4	Work Area <u>Ketchikan</u>	
Location W. End c	of Alava Bay of Watershed	Watershed Length 2 mile	S
water Supply 1	Type <u>Precipitation</u>		
Trails & Surve	ey Routes Walking al	ong stream not bad despite high a	mount of algae.
Aerial Survey	Notes Impossible to	see from air.	
AnchorageI	ittle protection from w	eather but bay is relatively deep	here.
Tide Stage Whe	en Surveyed 1st ha	lf of flood.	
FISHERY RESOUR	RCES		
		limited pink.	
Escapement	Spawning area 1040 m ²	(2000'x14'x40% ASA)	
Species Com	position <u>Unknown</u>		
Timing Unl	movm		##
	reas None	,	
200000000000000000000000000000000000000			
Shellfish P	otential None		
			and the same of th
Sport Fishe	rles Cutthroat and	Dolly Varden seen in stream.	
Fond Med at	Present None		
Land USE at	TTEBETTE ROTE		
History of	Land Use None		
	ion Potential Barri	er log jam 1/2 mile upstream. 6'	cascade 200 yds
upstream.	disturbance but mostly	intact; a few trees down in upper	area
20172 Polite	discurbance but mosery	intact, a rew crees down in upper	arca
The second section of the second section of the second section			and defined the continues of the college of the col
GAME RESOURCES			
	T74 1	- (-12 Al-) as baseles	
dear		s (old or fresh) on banks, estima 1 bear at I.T.	ate <u>0</u>
Cocco	Number of droppings Number seen on tide fl		
Geese	Number seen up creek	405	0
	Number of broods seen		
Mallards	Number of broods seen	ets	- ŏ
Pariarus ——	Number seen up creek	405	0
	Number of broods seen		0
Mergansers -	Number of broods seen		0
Bald Eagles-	Number seen along cree	k	0
man and a man and a man and	Number of nests seen a		0
Seals	Number seen at mouth o	of stream	. 0
Tide flats -	Estimate length along		Ō
	Estimate depth out fro		Ū
	Eel grass present on w	hat percent of flats	0

								-			Date:_	8-7-	73		
					:						Temper	ature:			
		,	-	 Nı	mber:	101-	41-30			1	Weathe	: Sur	iny, wi	ndy	
Station No.	1	(1/4 m 2	ni)											ļ	_
Pool Size/Type	3/3	3/2					,								
Riffle Type Width-Depth	17'W 6"D	12'W 5"D													
Pool Riffle Frequency	3	2													
Bottom Type (Riffle)	4/6	4/6													
Color/Turbidity	1/1	2/1													
Velocity	2	2													
Flow (C.F.S.)	6.7														
Temp. (°F.)	54°	54°													
рН	6	6						-							
Fry Abundance	1-1 2-7 4-1	2-7 4-1				·									
Benthos Sample No.	1	0													
Higher Plant Class	2/3	2/1/3		-											
Aquatic Veg. Density Ident. (1) Mosses	2	3			:										
(2) Algae	2	2													

STREAM INVENTORY FORM

Observers: Dinneford, Joyner

General Remarks (rehab., land use, barriers, log jams, etc.): Log jam barrier 1/2 mile upstream.



Name Alava Creek ! Latitude N 55° 14' 10"	Catalog No. 101-41-35 WR No. 67
latitude N 55° 14' 10"	WR No. 67
Longitude W 131° 07' 55" Geodetic Man No W 131 A /	K No. 67
Retchikan A-4.	<u>B-4</u> Work Area <u>Kerchikan</u>
Location Hd. Alava Bay. N.E. corne Drainage Area of Watershed	r Watershed Length 3-3/4 miles
Water Supply Type Muskeg, preci	pitation
	walking along lower level banks, walking okay upst
more bedrock.	ility, water discolored, trees to banks in upper
	ility, water discolored, trees to banks in upper
areas. Anchorage Small skiff can moor i	n bedrock gorge in lower ITZ.
Tide Stage When Surveyed 2	nd half of ebb.
FISHERY RESOURCES	
Commercial Fisheries Pink,	CONO
Escapement 1940, 1000 pink; 194	7, 4 pink; 1948, 2000 pink; 1954, 100 pink, 10 chur
(Spawning area: 9755 m ² (5000'x35')	x60% ASA)
Species Composition 95% pin	k, remainder - chum & coho
Timing Middle to late - Aug. to	October
Schooling areas in gorge at	lower IT, pools just above I.T.
Shellfish Potential 100% ro	ocky off mouth; looks like abalone could use outer
area.	
Sport Fisheries Dolly Varder	and cutthroat fry observed, some good looking poo
present.	
land Use at Present None	
History of Land Use None	
uan unan manifolia distribution di distributin di distribution di distribution di distribution di distribution	
Rehabilitation Potential Lo	og removal 1/2 mile upstream could enhance potentia.
Scils Pretty stable, level bar	nks; steeper further upstream with bedrock more
apparent.	
GAVE FESOURCES	
	cones (old or fresh) on banks, estimate 0 0 0
Number of dropping Geese Number seen on tide	
Number seen up cre-	
Number of broods se	
Mallards Number seen on tide	
Number seen up cree	ek
Number of broods se	een 0
Mergansers - Number of broods s	
Bald Bagles- Number seen along	
Number of nests se	
Seals Mumber seen at mou	
Tide flats - Estimate length al	016 000.011
Estimate depth out	on what rereent of flats

vace. 0-1-10 63° F Name: Alava Creek Temperature: Weather: Overcast Number: 101-51-35 Station No. 4 1 2 3 Pool Size/Type 3/2 1/2 1/2 1/2 Riffle Type 40'W 56'W 33'W 32'W Width-Depth 5"D 16"D 10"D 10"D Pool Riffle Frequency 3 3 3 2 Bottom Type (Riffle) 4/1 6/4 4 4 Color/Turbidity 2/1 2/1 2/1 2/1 Velocity 2 2 1 Flow (C.F.S.) 15.94 Temp. (°F.) 56° 56° 56° 59° рΗ 5 5 5 5 1-6 1-15 Fry Abundance 3-26 2-3 4-8 0 3-4 Benthos Sample No. 0 1 0 0 Higher Plant 2/3 Class 2/3 2 Aquatic Veg. 2 2

General Remarks (rehab., land use, barriers, log jams, etc.):

2

Density Ident.

2

(1) Mosses (2) Algae

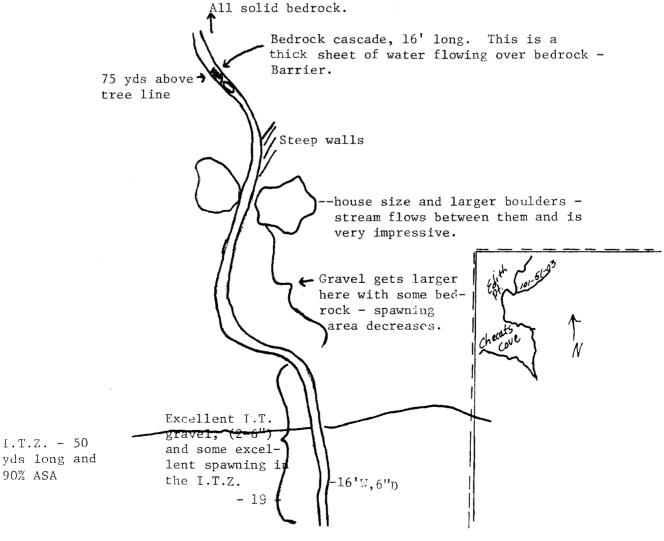
PEAK ESCAPEMENT RECORD

Alava Creek

101-41-3	5			
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-14-40 10-2-46	1,000			Excellent. 9,000 fish off mout Excellent.
9-16-47	4			
9-28-48	2,000			Poor
8-27-54	100	10		Several 100 at confluence.
8-31-62				None observed.
			- 18 -	

101-51-03 7-29-75 Downey

Not much of a stream for length but it has some excellent I.T. spawning area.



90% ASA

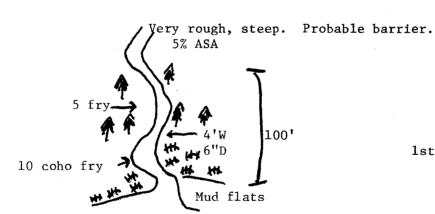
Name Edith Po	int Creek	Catalog No	o. J	01-51-03		
Latitude N	int Creek 55° 29' 08" 130° 52' 05" O	WR No.	none			
Longitude V	130° 52' 05"	K No.	none			
Geodetic Map 1	O. Ketchikan C-3	Work Area	Ketcl	ikan		_
Location benm (anal E. snore 1/4 N.Edith	we.rersnea	Lengt	a 2 miles		
Drainage Area	of Watershed 1.4 sq.					-
	Type Precipitation					
						_
Trails & Surve	ny Routes Stream can b	e walked to	barrie	(75 yds.)		
Aerial Survey	Notes None					
Anchorage Chec	ats Cove.					
Tide Stage Wh	en Surveyed High tide.					
FISHERY RESOU						
	Fisheries <u>None recorded</u>	hut has eve	ellent	enaunina arawa	1 (T.T 50 w	d.
90% ASA) and s	hould support a small pink	salmon non	ulation	SPAMILLIE ELAVE	<u> </u>	<u>u</u> .:
Escapement	None recorded. Spawn	ing area: 2	00 m ²			
Species Com	position pinks					
Timing						
Schooling a	reas <u>In pool below bar</u>					
Shellfish P	otential <u>Low</u>					
Sport Fishe	ries <u>Low</u>					
						_
Land Use at	Present None					
History of	Land Use <u>None</u>					
Rehabilitat	ion Potential None					
110110000000000000000000000000000000000						
Soils Larg	e gravel in streambed with	n bedrock.	Steep b	anks on S.E. s	side – stable	
CAME RESOURCES						
Room	Fish carcasses or bones ((ald an frac	ah) on h	anka octimat	e 0	
LCal	Number of droppings	OTC OF TIES	oli) Oli U	arks, escalado	0	
Geese	Number seen on tide flats	e:				
decad	Number seen up creek	5			ŏ	
	Number of broods seen					
Mallards	Number seen on tide flats	₹.			<u>ŏ</u>	
Extra TCTT (VD)	Number seen on tide flat.	٠			0	
	Number of broods seen	•				
Mancangang	Number of broods seen					
	Number seen along creek				0	
remo ragrag-	Number of nests seen and	location			0	
Saale	Number of nests seen and Number seen at mouth of				0	
	Estimate length along be				150 ye	-
ilus ilaus -						
	Estimate depth out from l Eel grass present on what		e en o		150 yc	s
	men Brase braseme on ma	a her come of				

Checats Cove

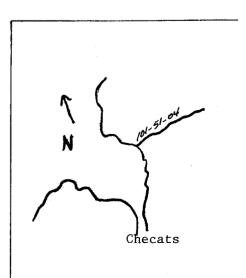
7-29-75 101-51-04 R. Larson, Ward

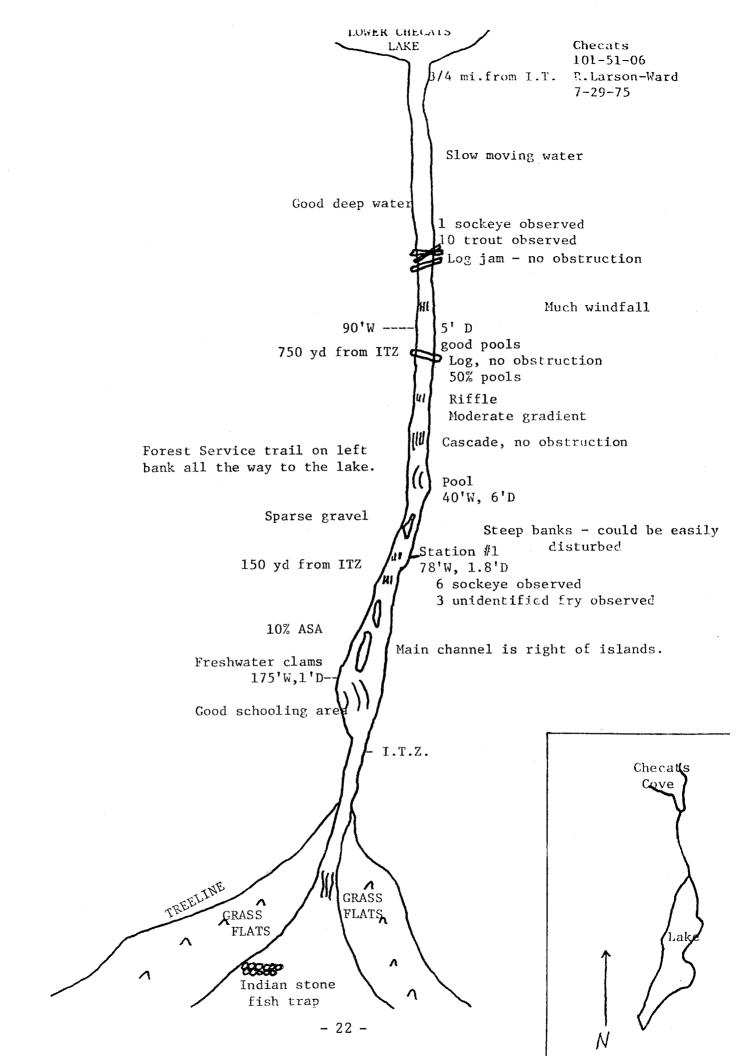
Very small stream included because of coho fry seen in lowest portion of stream. Very small creek in same bay as Checats.

Spawning area: $7 \text{ m}^2 (100^{\circ} \text{x4}^{\circ} \text{x20\% ASA})$



1st 100' of stream = 20% ASA





Name Checats	° 29' 00'' ° 52' 03''	Catalog	No.	101-51-06	
latit ude N 55	° 29' 00"	WR No	34	and the second s	
longitude W 130	° 52' 03"	K No	38		
Gerdetic Map N	o. Ketchikan B-3	Mork Are	ea Ketc	nikan	
Issabion Behm Ca	nal so. end of Checats Co	Vatersha	d Lengt	h 7 miles	
Drainage Area	of Watershed 15 sq.	miles			
Water Supply T	ype Precipitation, la	ke fed.			
Trails & Surve	y Routes There is a	Forest Se	vice tra	il in good shape a	along the
entire length of	the stream which provides	good acce	ess to th	<u>e stream and lake.</u>	
Revial Survey	Notes This is a strai	ght, fair	ly wide s	tream which could	be
surveved aerially	•				
Anchorage And	hor off the delta in the	cove.			
Stage Whe	n Surveyed 2nd half	of flood			
_		01. 1100u			-
FISHERY RESOUR		ohum			
Commercial F	isheries Pink, red,	CHUM			-
Escapement	9-14-57, 5,000 pink, 100	chum. Spa	awning ar	ea: 3902 m ²	
	(3500'I. x 60' W x 20% ASA) below	lake		
Species Comp	osition <u>Unknown</u>				
	lle, August - September		J		· · · · · · · · · · · · · · · · · · ·
SCHOOLERS &	eas There is a large po	001_50_yar	ds above	rne L.I./.	
Shellfish Po	tential <u>Dungeness cra</u>	ab can be	found off	mouth of stream.	
Sport Fisher	ries Red, cutthroat, res	sident rai	nbow, ste	elhead, Dolly Var	den
and isa at	Present Stream and	lakos aro	nonular s	port fishing spot	C
	Deream and	rancs are	popurar .	port riming spor	
History of	Land Use Unknown				
Sehahilitat	ion Potential No re	hab neede	d to inc	ease fish engumin	g facilities
T.CHAP TIT ONG	ion rodenoida no re	nab. necde	d co me	.case 1131 spawiitii	E TOCTITUES
Soils Soi	ls appear to be stable.				
And the second section of the section of t					
GATE RESOURCES					
Rapp	Fish carcasses or bones	(old or f	resh) on	banks, estimate	0
2000	Number of droppings	(010) 01		, , , , , , , , , , , , , , , , , , , ,	1
Geese	Number seen on tide flat	S			0
	Number seen up creek				0
	Number of broods seen				0
Hallards	Number seen on tide flat	.s			0
	Number seen up oreek				0
	Number of broods seen				0
	Number of broods seen				0
Bald Bagles-	Number seen along credit				0
	Number of nests seen and				0
	Number seen at mouth of				. 0
Tride flats -	Estimate length along be				150 yds.
	Estimate depth out from		י ברכב פנים		25 yds.
	Hel grass present on the	to dercent	OL ILAD	.t.	3%

			Na	me: C	HECATS					Temper	ature:	<u>58°</u>		
			Nu	Number: 101-51-06						Weathe	r:0	vercas	<u>t</u>	
Station No.	1													
Pool Size/Type	3/2													
Riffle Type Width-Depth	78'W 1.77'D													
Pool Riffle Frequency	3													
Bottom Type (Riffle)	4/5/1													
Color/Turbidity	2/2													
Velocity	2													
Flow (C.F.S.)	24.3													
Temp. (°F.)	56°													
Ho	4													
Fry Abundance														
Benthos Sample No.														
Higher Plant Class	3													
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	2													

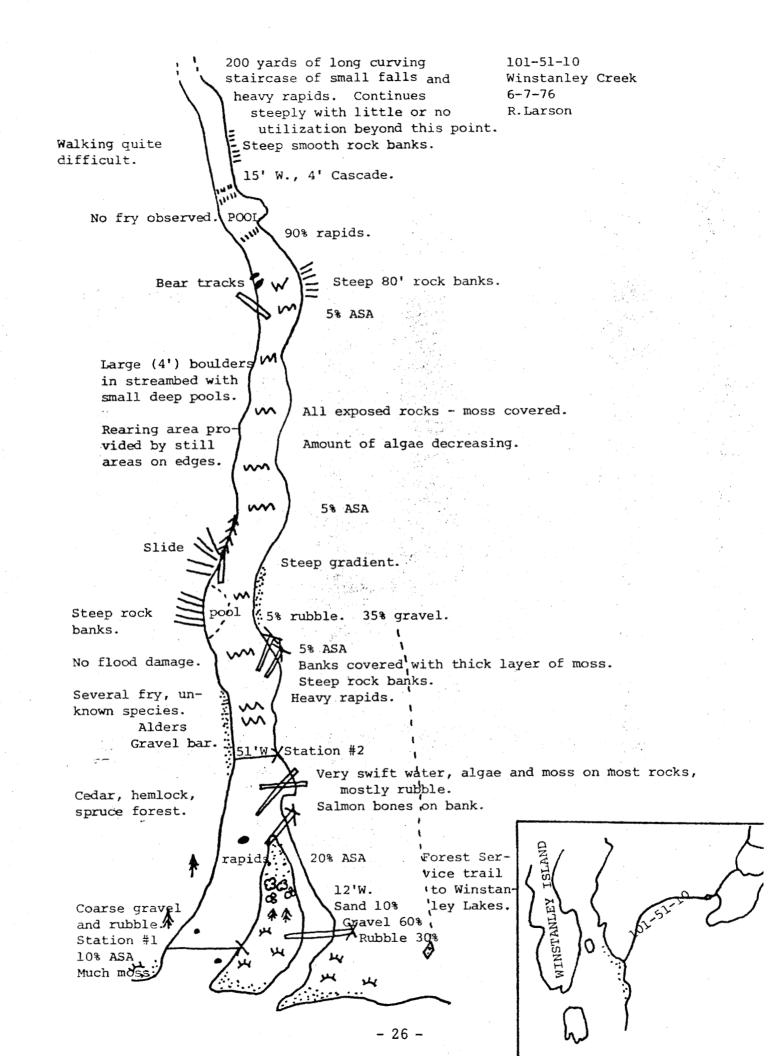
Date: 7-29-75

General Remarks (rehab., land use, barriers, log jams, etc.): Three unidentified fry observed at Station #1. Also 6 sockeye just above the station.

PEAK ESCAPEMENT RECORD

Checats

101-51-06				
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-15-43				Some at mouth. Good. Some pink.
9-18-47	6,000	300	200 red	Good
7-27-49			30 red	
8-19-53			500 red at feeder stream.	
9-15-54	3,000			
9-14-56	5,000	100		100 pink at mouth.
9-14-57	5,000	100		Fair.
9-8-61				None observed in creek. A few at lake outlet.
8-8-63				Poor vis. in stream due to shad- ows. Good vis. @ mouth. N.O. I
<u>.</u>				
	:			
				·
			- 25 -	



Winetan	lov Crock	Catalog No :	101-51-10	
hame: winstan	ley Creek 5 24' 03" 0 52' 09"	WP No . 33	101 31-10	and the same of th
hatitude:	0.52' 09"	K No . 37		
Longitude:	Ketchikan B-3	K No.: 37 Work Area: I	Cetchikan	THE STATE OF THE PARTY OF THE P
Geogetic Map No.	Canal E.shore at South	Watershed Lengt	h: 8.5 miles	a desired the second of the se
Contract Con	water Pass. 2: Two large lakes. Melt	ing snow and pre	cipitation also	
water Subbit Tib	3: 1wo large lakes. Here	ing show and pro	cipitation also.	
Man S. Land Commercial	Routes: There is a Fores	t Service trail	along the right ham	d side of
	saltwater to a cabin on the			
	tes: Difficult to survey		and the state of t	
nortal burvey no	ces. Diritedic to barve,	Dy uii.	ragentalism in the second	
Anchorage: Use	southern Shoalwater Pass	anchorage. The	re were floats at th	e stream
	the Forest Service, now re			
	Surveyed: 2/3 flood.			
i a de				
FISHERY RESOURCE	S			
	heries: Spawning area o	confined to lowe	r portion of stream	(.2 miles)
	ter and 1st lake. Pink sa			
	igh historic 10-3-47, 1,40			
	1171 m ² (600'x60'x35% ASA)			,
	sition: Approx. 85% pink			
Timing: Late	- September, October.			
Schooling Area	is: None reported.			
Shellfish Pote	ential: Clams on grav	el delta.		
Sport Fisheri	es: Steelhead in stream	m. Excellent cu	tthroat trout fishir	ig in lakes
	on of 4-7" rainbows in lo			
Land Use at P	resent: Popular fishin	g area for both	wark in and rry in r	parties.
There is a For	est Service cabin on both nd Use: Long history of u	ce by sport fich	lakes.	in10301c
History of La	ad use: Long history or a	se by sport rist	termen, popular even	1111930 5.
m 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n Potential: None:			
Kenabilitatio	i Potential:			
Coila		ided warring from	lover lake Mongo	il challer
	m has cut a narrow steeps erosion if disturbed. U			
	erosion ii discurped. U	pper narr or si	east cuts cross neur	ind to intina
cascades. GANE RESOURCES				
Bear	Fish carcasses or bones	(old or fresh)	on banks. estimate	
Dear	Number of droppings	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1
Geese		- S		
Geese	Number seen up creek	-0		
	Number of broods seen			
v 3.2 · · · 3 ·		·· c		
Mallards		- D		Andrews and the second section in the second
	Number seen up creek			
	Number of broods seen			
Mergansers -	Number of broods seen			
Eald Eagles-	Number seen along creek	i logation		
6 3	Number of nests seen and	1 TOCALION		
	Number seen at mouth	on ah	Large gravel delta	300 yds
Tide flats -			Large gravel delta.	75 yds
	Estimate depth out from Fel grass present on who	DedUII at pargont of fl	ate	? yus
	Lei grass present on wh	ar berceur or il	ald	

Name: Winstanley Creek Name: 58 Name: 101-51-10 Name: 00evcast		10	,					<u> </u>					Date:		75		
Station No. 1		-7	76			Na	ame: wi	nstanl	ev Cre	ek			Temperature: 58				
Starion No. 1		29	7-							-			Weathe	r: Ov	ercast		
Pool Size/Type			4 6	-	·	IN	mber:	101-5	1-10	7	1	1	T		1	1	1
Pool Size/Type	Station No.		2							-							
Width-Depth 2'D 1.2'D Pool Riffle 3 2 Bottom Type 65% rubble 35% gravel (Riffle) 4/5 5 Color/Turbidity 2/2 2/1 Velocity 3 3 Flow (C.F.S.) * 150 Tamp. (°F.) 54 51 pi 7.5 7.5 Fry Abundance 0 0 Benthos Sample No. 1 Higher Plant 2 1 Class 2 1 Aquatic Veg. 1 1 Density 1 dent. (1) Wosses	Pool Size/Type		3/1									ļ					
Frequency 3 2 65% rubble 35% gravel 5 5 5 5 5 5 5 5 5	Riffle Type Width-Depth	1															
Bottom Type (Riffle)		3	1														
Velocity 3 3 3	Bottom Type (Riffle)		35% gr														
Velocity 3 3 3	Color/Turbidity	2/2	2/1														
Temp. (°F.) 54 51	Velocity	3	3														
Temp. (°F.) 54 51	Flow (C.F.S.)	*	150												· 		
Fry Abundance 0 Benthos Sample No. Higher Plant Class 2 1 Aquatic Veg. 1 1 Density Ident. (1) Mosses	∞ , Tamp. (°F.)	54	51														
Benthos Sample No. Higher Plant Class 2 1 Aquatic Veg. 1 1 Density Ident. (1) Mosses	pl1		7.5														
Benthos Sample No. Higher Plant Class 2 1 Aquatic Veg. 1 1 Density Ident. (1) Mosses	Fry Abundance	İ	0														
Class 2 1 Aquatic Veg. 1 1 Density Ident. (1) Mosses			-						:								
Density Ident. (1) Mosses	Higher Plant Class	2	1														
(2) Algae 2 1-2	Density Ident.										*.						

General Remarks (rehab., land use, barriers, log jams, etc.): 6-7-76 - Air temp. 60F. Weather, clear.

<sup>7-29-75
(1)</sup> Station taken at high tide mark - no pools.

Stream was higher than normal which made it difficult to walk and to see the fry.

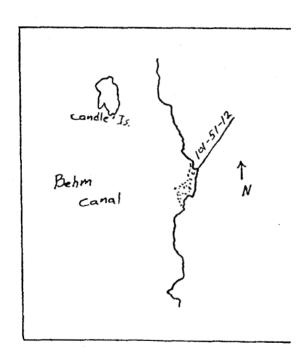
PEAK ESCAPEMENT RECORD

Winstanley Creek

DATE	PINK	CHUM	OTHER	SPECIES	RIEMARKS
10-3-17	882	200			582 dead pink. 700 off mouth.
9-15-54	1,000	200			
8-8-63					None observed. I.T.
8-19-64					Stream high. Good visibility.
					·
				:	
; ;					
		•			
; ;	: : :				
	2 ? !				
1			- 29) -	

101-51-12 7-29-75 Downey, B. Larson

Small stream, steep above the high tide line. Very limited I.T. spawning area and would support only a few spawners. Very low potential stream. Just south Winstanley Island.



No pools or rearing area. Any spawning area would be I.T.

I.T. is mostly larger boulders, barnacles and muscle covered. 5% available spawning area.

Gradient steepens a bit. This looks like about the end. Swift-larger boulders flows through debris. More water this fork (4/5 of total).

Approx. Gradient still not exces1 mi. sively steep. 6-8'W. Not
much flow this fork but enough.
Has good gravel (2-6").

101-51-13 7-29-75 Downey, B.Larson

Debris + heaps & piles of gravel from high flows.

Debris, no block

Continues steepening but some areas of excellent spawning gravel.

Banks slumping: This side of stream is steeper.

Gradient steepens slightly

More than the average amount of windfall in and across the stream but no blocks and not too difficult walking.

65% ASA for the total stream.

Many unidentified fry seen throughout the stream.

Surveyed at 4/5 ebb tide.

125 yds long. Some trace of bedrock. Larger gravel here and larger boulders. Narrower and swifter - more velocity.
30% ASA here.

Split channel area jumbled up with logs and debris. No block.

This area subject to high flows. Gravel piled up and some dry overflow channels here Still flat gradient here

Large spruce

-Banks and trees slumped.

Stream narrows with a little more velocity.

150 yds. Very good spawning area. 2-8" gravel and larger boulders. 75% ASA here.

Split channel area -

Two large trees across crk.→5

Black bear ->'

Pool with several unidentified small trout and several unidentified fry.

. 150 yds. long - some windfall but good spawning area. 2-8" gravel. 80% ASA here.

Steep bank - some slumping.

Small bedrock cascade

Some traces of bedrock but some excellent spawning riffles also - 125 yds long. Gravel 2-6" with some

larger. 50% ASA here. Pure bedrock - 30 yds.

Several trees across stream - no block.

Station #1 __ 70% available spawn- . ing area to here.

Split channel area in ITZ.

Nice flags

lst pool: IT has 2-6"
gravel with larger boulders. Some very good spawning area-particularly
upper I.T.

Lower I.T. has some spawning area but is marginal with larger boulders and some silt.

Just south of Winstanley Is.

ol Tara

Name		Catalog No.	101-51-13	
Latitude N	55° 23' 130° 52' 05" 10. Ketchikan B-3 Canal E. shore	WR No.	32	
Longitude W	130° 52' 05"	K No.	36A	
Geodetic Nap 1	O. Ketchikan B-3	Work Area Keto	chikan	
Location Behm (Canal E. shore	Watershed Leng	th 1.5 miles	
Drainage Brea	or waver sited 3.2 sq.	miles		
Water Supply T	Type Precipitation			
Charles Charles	Dout on Polaticals			
Tralis & Surve	ey Routes Relatively	easy walking in the	ie stream bed.	
Lanial Survey	Notes May be difficu	ılt to survey by a	ir due to windfal	l in creek
masking resting	fish and tall spruces cove	ring narrow creek		- III CICK
	kposed anchorage at stream			er pass.
Tide Stage Who	en Surveyed <u>1/2 tide</u>			
FISHERY RESOU				
Commercial 1	Fisheries Pink and co	oho		
Facanement	Only recorded and office		30 11 100 / 7	
30 apcmerro	Only recorded surveyed (4000'L x 15'W x 65% ASA	record located Spawning area:	$\frac{20 \text{ pinks}}{3623 \text{ m}^2} = \frac{10-3-47}{3623 \text{ m}^2}$	
Species Com	position Pink Coho)		
Timing Mid,	[/] Late - September			
Schooling a	reas <u>None noted</u>			
به مديد الله المالية والمالية				
Shellfish P	otential <u>Flats at st</u>	eam mouth should s	support large clar	n populatio
and some crab.	Many burrowing worms no	oted.		
Sport Fishe.	ries <u>Several trout 6-1</u> 0)" - species unknor	vn. Saw cohos of	f mouth in
fall.	Present None			
_and ube at	rresent None			
Fistory of	Land Use Unknown			
Rehabilitat	ion Potential None	needed at present.		
Soils Granif	te cobbles in streambed.	Rich, black dirt	<u>in lower stream va</u>	alley. Bed
foreoil coving	in areas of streambed. Up g rock substrate	per stream bank ha	as only very thin	layer of
	3 TOCK Substrace			•
GAME PESOURCES				
Bear	Fish carcasses or bones	(old or fresh) on	banks, estimate	0
	Number of droppings	Saw 1 black bea	ar	3
Geese	Number seen on tide flat	S		0
	Number seen up creek			0
	Number of broods seen			0
Mallards	Number seen on tide flat	S		0
	Number seen up creek			0
	Number of broods seen			0
	Number of broods seen			0
mala maghes-	Number seen along creek	1 location		0
Caala	Number of nests seen and Number seen at mouth of			10
	Estimate length along be			300 yds
ILUT LIAUS -	Estimate depth out from			75 yds
	Eel grass present on wha		q	73 yds
	mer grade present on wik	to porocito or that		

											Date:_					
				Na	Name:							Temperature:				
				Nu	Number: 101-51-13							Weather: Overcast				
		 		1		101-71	1	F	T				T	<u> </u>		
Station No.	1															
Pool Size/Type	2/2															
Riffle Type Width-Depth	30'W 1'D															
Pool Riffle Frequency	3		-													
Bottom Type (Riffle)	4/5								-							
Color/Turbidity	2/1															
Velocity	2															
Flow (C.F.S.)	17.4									المرابعة الم						
Temp. (°F.)	48°															
pН																
Fry Abundance	1-150															
Benthos Sample No.																
Higher Plant Class	1															
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	2	***************************************														

General Remarks (rehab., land use, barriers, log jams, etc.): Several windfalls with associated rapids and pools no barrier.

PEAK ESCAPEMENT RECORD

.8 miles S-SE so. entrance to Shoalwater Pass

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
10-3-47	10			10 at mouth.
			- 34 -	

101-51-17 7-29-75 Downey, B. Larson Behm Canal Trollop Some good gravel (4"-8") but spawning is mostly restricted to the stream edges. Traces of bedrock throughout. 15% available spawning area. Surveyed at 2/3 ebb tide. Even though this stream would appear to be able to support a few hundred spawners I don't really feel it has all that much potential for any rehabilitation work. -Station #1 Barrier falls: a high tide would come up to the falls. (Pool Good open banks, easy walking Steep rocky bank - slumping Deeper water in the ITZ. Larger boulders with some sand. No spawning potential here.

Name		Catalog No101-51-1	7
Latitude N	55° 20'	WR No. 31	
Longitude <u>W 1</u>	30° 52' 03"	WR No. 31 K No. 36 Work Area Ketchikan Watershed Length 5	
Geodetic Map 1	. Ketchikan B−3	Work Area <u>Ketchikan</u>	
LocationBehm Ca	nal-1.3 mi.N.Pt. Trollop	Watershed Length5	miles
Drainage Brea	or water and by sq.	miles	
Water Supply S	Type Snow fields and p	precipitation	
Traits & Surve	ey Routes <u>Left bank</u>	is easily walked to barrie	r falls.
	Note the second	* 5 6 1 2	
short area between	een ITZ and pool	ifficult to see in pools bu	t easily seen in
		n bight where stream emptie	c Cood anchorage
	behind Carp Island	I Digit where stream emptie	s. Good anchorage
	en Surveyed 2/3 ebb		
FISHERY RESOU			
Commercial .	risheries rink, pos	sibly chum.	
Figgspement	10-4-47 and 7-29-75 (no fish seen in either case)
pacabament _	(300 L x 38 W x 15% ASA)	Snawning area. 150 m ²	
Species Com	position Pinks	chums	
0,0000	po sa o zori	<u> </u>	
Timing			
Schooling a	reas In pool below fa	l1s	
_			
Shellfish P	otential <u>Looks lik</u>	e there should be clam beds	on the beach.
		all area below the falls.	
for trout prol	ably small due to small	size of creek.	
Land Use at	Present None		
	7 1 11		
History of	Land Use <u>Unknown</u>	The second secon	
Pobobilitat	ion Potential No.	ne - 15' falls may be uneco	momical to bunger
	r stream potential unknow		monitcal to bypass w
		Angular rubble falling fr	com 40'cliff on S.E.
		ite cobbles in streambed,	
banks.			
GAME PESOURCES			
		·	
Bear		(old or fresh) on banks,	
	Number of droppings		0
Geese	Number seen on tide fla	ts	0
	Number seen up creek		0
	Number of broods seen		0
Mallards	Number seen on tide fla	ts	0
	Number seen up creek		0
	Number of broods seen		0
Mengansers -	Number of broods seen		0
	Number seen along creek		0
	Number of nests seen an		0
Seals	Number seen at mouth of	stream	0
	Estimate length along b		250 yd
	Estimate depth out from		50 yd
		ast percent of flats	

					Na	me:	a annual ser in the second	s, Northwestern transcription	****			Temper	ature:			
					No	mber:	101-5	L-17				Weatho	x:=0	cercas	·	
			1			T					The second second			Part of the second seco		
Station No.	1															
Pool Size/Type	2/1															
Riffle Type Width-Depth	38'W 1'D															
Pool Riffle Frequency	3															
Bottom Type (Riffle)	6/4		Proprietable and a state of the				Angelina de la companya de la compan	and a read of the second of th	Command #FFStable Lattle FEST VESS							
Color/Turbidity	2/2															
Velocity	2															
Flow (C.F.S.)	45							and the state of t								
Temp. (°F.)																
pH																
Fry Abundance	0								,							
Benthos Sample No.					and the second s	o o d'Anna agus anna agus anna agus anna agus ann agus a					The state of the s	popularitati iliyo fakeli billi di "	· 1884年8月1日 大野山中北京2011年8月			, quije, , , , que que / maneres o
Higher Plant Class	2		makitele (Ingomer 10099)	The state of the s				Notes on the Parket of the Par	Print y million by Highway Cap	manufacture out of the same ou	Trin a stage of the College				The state of the s	
Aquatic Veg. Density Ident. (1) Mosses	3		i i i i i i i i i i i i i i i i i i i	American (a)												**************************************
(2) Algae	2				-							-				

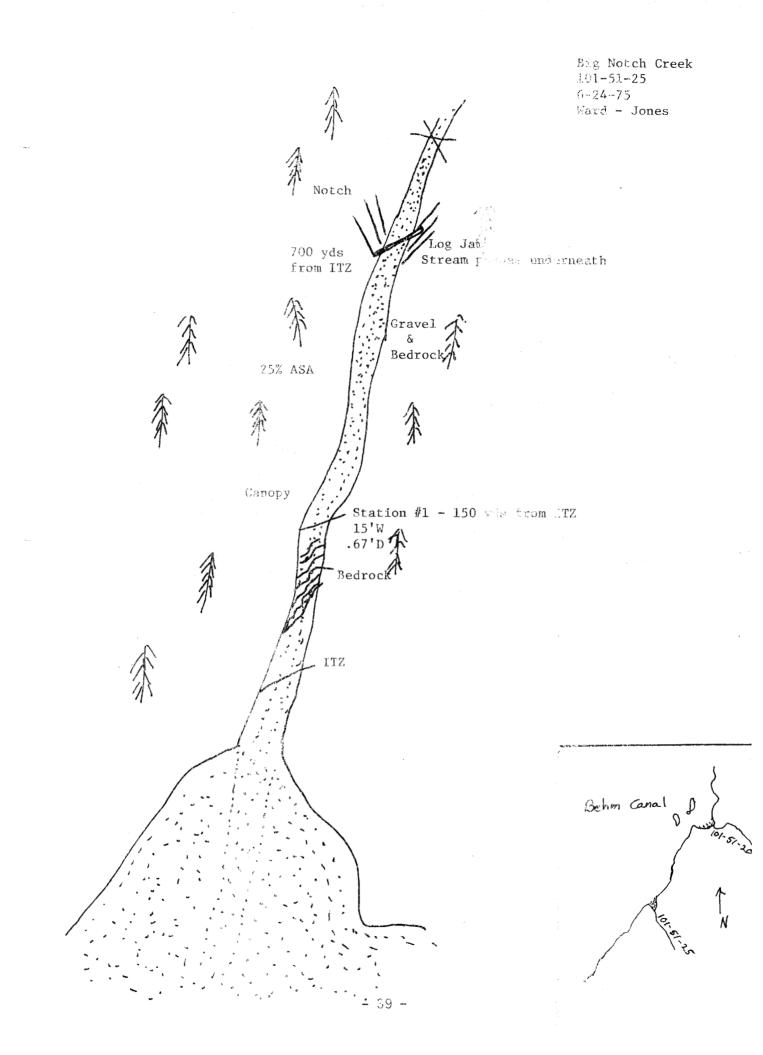
General Remarks (rehab., land use, barriers, log jams, etc.): Stream has barrier falls with associated large pool approximately 200 yds. from stream mouth.

Date: 7-29-75

PEAK ESCAPEMENT RECORD

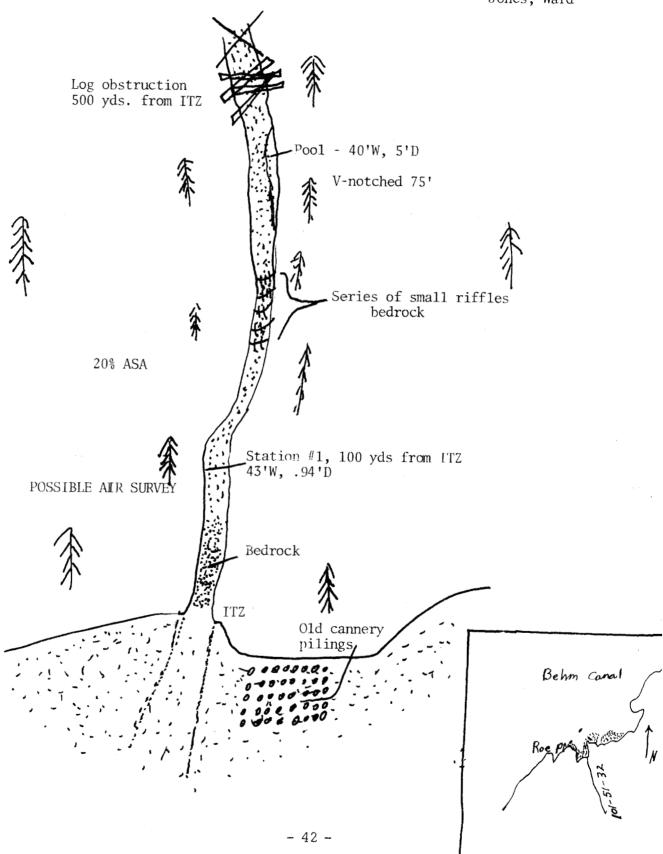
1.3 miles N. Pt. Trollop 101-51-17

101-51-17	7 			
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
10-4-47				No fish seen
	-			
				•
			- 38 -	



Name Big No	tch Creek 55° 14' 06" 130° 57' 09" C. Ketchikan B-3 nal 2 mi. No. Roe Pt.	Catalog No	101-51-25	
latitude <u>N</u>	55° 14' 06"	WK No.		
Foughtude M	130° 57' 09"	N NO.	. 1 11	
Geodetic Map :	o. Ketchikan b-3	Work Area Ke	cchikan	
Todation benn Ca	of Watershed 6.0 sc	wasersned Len	gon Z miles	· · · · · · · · · · · · · · · · · · ·
Drainage Area Matas Supple (Grand rates and pr	cainitation fod		
waren pabbih i	Type Ground water and pr	ecipication red.		
Trails & Surve	y Routes <u>Dense brush</u>	makes streambed	route most practica	1.
Applal Survey	Notes Canopy effect re	educes aerial sur	vey effectiveness.	
	afe anchorage behind Carp	Island. Alterna	tive anchorage in c	annery
	uth or at Sykes Cove.			
Tide Stage Whe	en Surveyed 2nd hal	t of low		
FISHERY RESOUR				
Commercial 1	Fisheries Pink, coh	o, chum		
			720 2	
iscapement	unknown, no historical re	cords. Spawning	area: /32 m	
Smedies Com	(2100'L x 15'W x 25% ASA cosition Pink .	cho chum		
	111111111111111111111111111111111111111	JOHO , CHOM		
Timing Late	- September, October			
Schooling a	reas <u>Possible school</u>	ing areas 50 yds	off mouth of stream	n
Shellfish P	otential <u>Dungeness cr</u>	ab sampled in are	a.	anne e commentar de la comment
Sport Fishe	ries Pink, chum, coho,	Dolly Varden and	possibly cutthroat	trout.
Towal Floor of	Procent Properties	netential for tim	hor howroat	· · · · · · · · · · · · · · · · · · ·
EIR USE AU	Present Recreation -	potential for the	ber harvest.	To deplace the first three of the second three t
History of	Land Use Handlogging i	n area.		
Rehabilitat	ion Potential <u>Rehabi</u>	litation unnecess	ary	
		* _		
SSILS V-not	ch watershed characterist	ics.		
GANE PESOURCES				
	Fish carcasses or bones	(old or fresh) or	n banks, estimate	0
	Number of droppings			1
Geece	Number seen on tide flat	S		0
	Number seen up creek		•	0
	Number of broods seen			0
Hallards	Number seen on tide flat	S		2
	Number seen up creek			0
•	Number of broods seen			0
Hermansers -	Number of broods seen			0
	Number seen along oreek			1
-	Number of nests seen and			0
With the state of	limber seen at nouth of			0
	Estimate length elong be			250 yı
,	Estimate depth out from			25 yc
	Eel grass present on wha		ts	2%

					5	IKEAM .	TIAAETAT	JRI FUI	71.1			Date:	6-24	<u>Ward</u> -75	- Jone	<u> </u>
					N	ame:	Big No	otch	#Number			Temper	ature:	52	0	
)	A	an annigha	and the second seco	N	umber:	101-5	51-25_				Weathe	r:o	vercas	<u></u>	
Station No.	1															
Pool Size/Type	3/1										-				-	
Riffle Type Width-Depth	15'W .67'D															
Pool Riffle Frequency	2		The state of the s			and the same and t		The state of the s				Married the special of the special o	The same of the sa	the formular photos of the party of the part		
Bottom Type (Riffle)	6		The state of the s		The second secon			and the second s	er fan e' fûlder ûnder fûn fûn bûd.							\$ P. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Color/Turbidity	1/1															
Velocity	2															
Flow (C.F.S.)	13.5		T. A.													
Temp. (°F.)	48°															
pli	5	<u>.</u>														
Fry Alugdones										-	distance of the second			*		
					•	:		•		÷		: :				
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Chart	,				• •		: :		:		· • • • • • • • • • • • • • • • • • • •	: :		; ;	}	
Aquatic Veg Density	3		To the state of th	and the second s		4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4		AMERICA CARPONICOS DE LA CARPONICA DE LA CARPO	The second secon		Control of the Contro					-
Ident. (1) Mosses (2) Algae	1		To the complete community of the complete complete complete community of the complete com													



Cannery Creek	Name <u>Cannery</u>	Creek	Catalog No. 10	<u>l-51-32</u>	<u> </u>
Gesdotic Map No. Ketchikan A-4	Latitude N	55° 14' 04''	WR No.		
### Prainage Area of watersned	Longitude <u>W 1</u>	30° 59' 06''	K No.		
### Prainage Area of watersned	Geodetic Map N	o. Ketchikan A-4	Work Area Keto	chikan	
### Prainage Area of watersned	Location Behm C	anal 3/8 m. No.Roe Pt.	Watershed Length	2.5 miles	
### Acrial Survey Notes	Drainage Area	of Watershed 3.9	sq. miles		
Annorage Good anchorage behind Carp Island. Also, short term anchorage in cove east of stream mouth. Tide Stage When Surveyed low tide, 1st half FISHERY RESOURCES Commercial Fisheries Pink, coho, chum Escapement Unknown - no records of past escapement. Spawning area: 1198 m² (1500° x 45° x 20%ASA) Species Composition Pink, coho, chum Timing Late September Schooling areas Some pools in upper levels of surveyed section. Shellfish Potential Dungeness crab sampled in area of cannery site. Some clam potential in tidal flats. Sport Fisheries Pink, coho, chum and possible cutthroat (anadromous) Land Use at Present Recreational area. Fistory of Land Use Cannery at mough of stream - hand logging invarea. Fenabilitation Potential Obstruction 500 yds above ITZ could be removed to enable access to upper level of stream. Soils Some V-notching increase-potential for erosion. GAZE FESCURCES Bear — Pish carcasses or bones (old or fresh) on banks, estimate Number of droppings 1 Geese — Number seen on tide flats 0 Number of broods seen 0 Number seen up creek 0 Number of broods seen 0 Fild Fagles Number of proods seen 0 Number of proods seen 0 Number of proods seen 0 Fild Fagles Number of proods seen 1 Fild Flats — Retrieved length along beach 1 Fild Flats — Estimate length along beach 50°	Water Supply 1	ype Ground water, p	recipitation ted.		
### Althorage Good anchorage behind Carp Island. Also, short term anchorage in cove east of stream mouth. #### Title Stage When Surveyed	Trails & Surve	y Routes Stream bed	route, heavy brush on	stream bank.	
### Althorage Good anchorage behind Carp Island. Also, short term anchorage in cove east of stream mouth. #### Title Stage When Surveyed	iomial Summay	Notes Air survey is	possible by helicopte	r	
east of stream mouth. File Stage When Surveyed low tide, 1st half Fishery RESOURCES Commercial Fisheries Pink, coho, chum Escapement Unknown - no records of past escapement. Spawning area: 1198 m²	Herman burvey	Notes Hill salvey is	· · · · · · · · · · · · · · · · · · ·		
Tide Stage When Surveyed low tide, 1st half FISHERY RESOURCES Commercial Fisheries Pink, coho, chum Escapement Unknown - no records of past escapement. Spawning area: 1198 m² (1500' x 43' x 20%ASA) Species Composition Pink , coho , chum Timing Late - September Schooling areas Some pools in upper levels of surveyed section. Shellfish Potential Dungeness crab sampled in area of cannery site. Some clam potential in tidal flats. Sport Fisheries Pink, coho, chum and possible cutthroat (anadromous) Land Use at Present Recreational area. History of Land Use Cannery at mough of stream - hand logging invarea. Fehabilitation Potential Obstruction 500 yds above ITZ could be removed to enable access to upper level of stream. Soils Some V-notching increase-potential for erosion. GATE RESOURCES Bear — Fish carcasses or bones (old or fresh) on banks, estimate Q Number of droppings 1 Sease — Number seen on tide flats 0 Number of broods seen 10 Yallards — Mumber seen on tide flats 0 Number of broods seen 10 Yallards — Number seen on tide flats 0 Number of broods seen 10 Yallards — Number seen and location 0 Yalla Zagles — Number seen at mouth of stream 1 Tide flats — Estimate depth out from beach 200 yds. Estimate depth out from beach 200 yds.			Island. Also, short	term anchorage i	n cove
Fisher Resources Pink, coho, chum	east of stream m	outh.	do 1c+ half		
Scapement Unknown - no records of past escapement. Spawning area: 1198 m² (1500' x 43' x 20%ASA)			ue, 1st hall		
Species Composition	FISHERY RESOUR	RCES	chim		
Species Composition Pink , coho , chum Timing Late - September	Sommercial i	risheries link, colo,	Circuit		
Species Composition Pink , coho , chum Timing Late - September	Escapement	Unknown - no records of	past escapement. Spa	wning area: 119	98 m ²
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Schooling areas Some pools in upper levels of surveyed section. Shellfish Potential Dungeness crab sampled in area of cannery site. Some clam potential in tidal flats. Sport Fisheries Pink, coho, chum and possible cutthroat (anadromous) Land Use at Present Recreational area. History of Land Use Cannery at mough of stream - hand logging inwarea. Rehabilitation Potential Obstruction 500 yds above ITZ could be removed to enable access to upper level of stream. Soils Some V-notching increase-potential for erosion. GAME RESOURCES Bear	Timing Late	- September	engangan gapantan kenadahan pendadahan terbahan sebesah di Berah Berahan perbahan berahan sebagai		
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potential in tidal flats. Sport Fisheries Pink, coho, chum and possible cutthroat (anadromous) Land Use at Present Recreational area. History of Land Use Cannery at mough of stream - hand logging invarea. Rehabilitation Potential Obstruction 500 yds above ITZ could be removed to enable access to upper level of stream. Soils Some V-notching increase-potential for erosion. GAME RESOURCES Bear Fish carcasses or bones (old or fresh) on banks, estimate ONumber of droppings 1 Seese Number seen on tide flats ONumber seen up creek ONumber seen up creek ONumber of broods seen ONumber seen on tide flats ONumber seen up creek ONumber of broods seen ONUmber of ONUMBER ONUMBE					
Sport Fisheries Pink, coho, chum and possible cutthroat (anadromous)	Shellrish Po	otential Dungeness cr	ab sampled in area of	cannery site.	Some clam
History of Land Use Cannery at mough of stream - hand logging inwarea. Rehabilitation Potential Obstruction 500 yds above ITZ could be removed to enable access to upper level of stream. Soils Some V-notching increase-potential for erosion. GAME RESOURCES Bear Fish carcasses or bones (old or fresh) on banks, estimate Number of droppings 1 Geese Number seen on tide flats 0 Number seen up creek 0 Number of broods seen 0 Mallards Number seen on tide flats 0 Number seen up creek 0 Number seen up creek 0 Number of broods seen 0 Margansers Number of nests seen and location 0 Seals Number seen at mouth of stream 1 Tide flats - Estimate length along beach 200 vds. Estimate depth out from beach 50'	potential in t	ios Pink coho chum	and nossible cutthro	at (anadromous)	·
Rehabilitation Potential Obstruction 500 yds above ITZ could be removed to enable access to upper level of stream. Soils Some V-notching increase-potential for erosion. GAME RESOURCES Bear —— Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 1 Number seen on tide flats 0 Number seen up creek 0 Number of broods seen 0 Number seen on tide flats 0 Number seen on tide flats 0 Number seen on tide flats 0 Number seen of broods seen 0 Number seen of broods seen 0 Number of broods seen 1 Number of broods seen 1 Number of broods seen 1 Number seen along creek 2 Number of nests seen and location 1 Number seen at mouth of stream 1 Tide flats - Estimate length along beach 200 yds. Estimate depth out from beach 50'	Sport Fishe.	ries rink, cono, chui	and possible cutchio	at (anadronious)	
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Rehabilitation Potential Obstruction 500 yds above ITZ could be removed to enable access to upper level of stream. Soils Some V-notching increase-potential for erosion. GAPE RESOURCES Bear Fish carcasses or bones (old or fresh) on banks, estimate ONUmber of droppings 1 Geese Number of droppings 1 Seese Number seen on tide flats ONUmber seen up creek ONUmber of broods seen ONUmber of broods seen ONUmber seen up creek ONUmber of broods seen ONUmber seen along creek ONUmber of nests seen and location ONUmber seen at mouth of stream ONUmber of lats ONUmber of nests seen at mouth of stream ONUmber of lats ONUmber of lats ONUmber of lats Seen at mouth of stream ONUmber of lats ONUmber					
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enable access to upper level of stream. Soils Some V-notching increase-potential for erosion. Bear —— Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 1 Seese —— Number seen on tide flats 0 Number seen up creek 0 Number of broods seen 0 Number seen on tide flats 0 Number seen on tide flats 0 Number seen up creek 0 Number seen up creek 0 Number seen up creek 0 Number of broods seen 1 Number seen along creek 2 Number of nests seen and location 0 Number seen at mouth of stream 1 Tide flats — Estimate length along beach 200 yds. Estimate depth out from beach 50'	Rehabilitat	ion Potential <u>Obstru</u>	ction 500 yds above I	TZ could be remo	ved to
GAME RESOURCES Bear —— Fish carcasses or bones (old or fresh) on banks, estimate 0 Number of droppings 1 1	enable access	to upper level of stream.			
Fish carcasses or bones (old or fresh) on banks, estimate Number of droppings Seese — Number seen on tide flats Number seen up creek Number of broods seen Number seen on tide flats Number seen on tide flats Number seen up creek Number seen up creek Number of broods seen Number of nests seen along creek Number of nests seen and location Seels — Number seen at mouth of stream Tide flats - Estimate length along beach Estimate depth out from beach Estimate flats - So'	Soils <u>Some</u>	V-notching increase-poter	tial for erosion.		
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Number of droppings	GAME RESOURCES	•			
Number of droppings	Bear	Fish carcasses or bones	(old or fresh) on ba	nks. estimate	0
Number seen up creek Number of broods seen Mallards Number seen on tide flats Number seen up creek Number of broods seen Mergansers Number of broods seen Mumber of broods seen Mumber of broods seen Number seen along creek Number of nests seen and location Seals Mumber seen at mouth of stream Tide flats Estimate length along beach Estimate depth out from beach So'				_	1
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Mallards —Number seen on tide flats0Number seen up creek0Number of broods seen0Mergansers —Number of broods seen0Fald Eagles —Number seen along creek2Number of nests seen and location0Seals ——Number seen at mouth of stream1Tide flats —Estimate length along beach200 yds.Estimate depth out from beach50'					0
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Number of broods seen Number of broods seen Number of broods seen Fald Eagles- Number seen along creek Number of nests seen and location Seals Number seen at mouth of stream Tide flats Estimate length along beach Estimate depth out from beach Estimate depth out from beach Number of broods seen 0 2 2 2 2 2 3 4 50 50 50 50			ts ·		·
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Fald Eagles— Number seen along creek 2 Number of nests seen and location 0 Seals ——— Mumber seen at mouth of stream 1 Tide flats — Estimate length along beach 200 yds. Estimate depth out from beach 50'	**		•	•	U
Number of nests seen and location Seals	***			•	U
Seals Mumber seen at mouth of stream Tide flats - Estimate length along beach Estimate depth out from beach Estimate depth out from beach Tolde flats - Estimate depth out from beach					<u> </u>
Tide flats - Estimate length along beach 200 yds. Estimate depth out from beach 50'					
Estimate depth out from beach 50'					

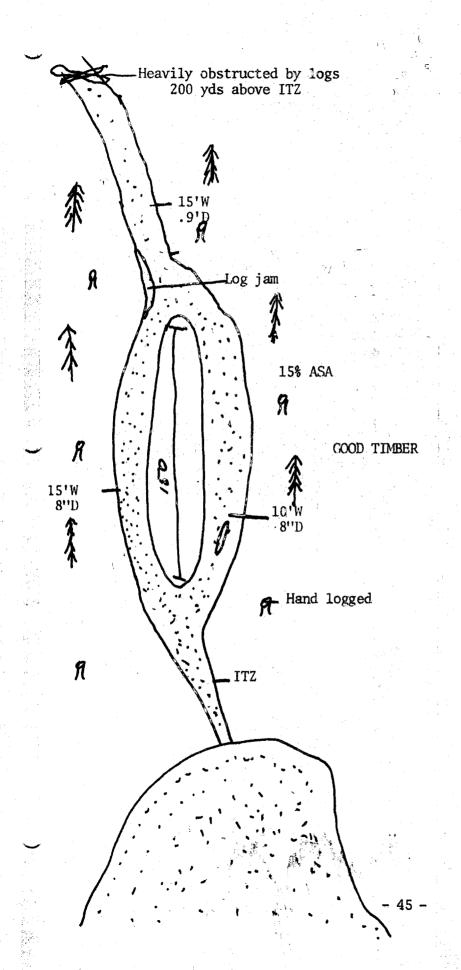
Observers: Jones, Ward STREAM INVENTORY FORM Date: 6-24-75 Temperature: 52° Name: Cannery Creek Weather: Partly cloudy Number: 101-51-32 Station No. 1 Pool Size/Type 1/3 Riffle Type 43'W .94'D Width-Depth Pool Riffle 3 Frequency Bottom Type 6/3 (Riffle) 1/1 Color/Turbidity Velocity 2 Flow (C.F.S.) Temp. (°F.) 50° pН 5 Fry Abundance Benthos Sample No. Higher Plant Class 2 Aquatic Veg. 3 Density Ident. (1) Mosses

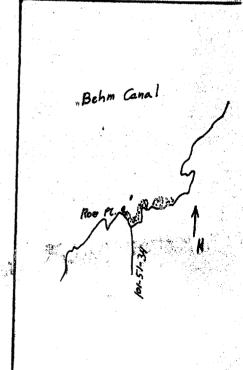
General Remarks (rehab., land use, barriers, log jams, etc.):

green

(2) Algae

Piles Creek 101-51-34 6-24-75 Jones, Ward





Name Piles Creek Catalog No. 101-51-34	
Name Piles Creek Catalog No. 101-51-34 Latitude N 55° 14' 28" WR No. 24 Longitude W 130° 59' 54" K No. 29	
Geodetic Map No. Ketchikan A-4 Work Area Ketchikan	·
Drainage Area of Watershed 3.9 sq. miles	
Drainage Area of Watershed 3.9 sq. miles Water Supply Type Ground water - precipitation	
Trails & Survey Routes Walk up stream bed as banks have heavy brush.	
Aerial Survey Notes <u>Canopy effect reduces aerial sruvey effectiveness.</u>	
Anchorage Good anchorage behind Carp Island.	
Tide Stage When Surveyed lst half low tide.	
FISHERY RESOURCES	
Commercial Fisheries Pink, chum and coho	
Escapement High historic - 1000 pinks (1947), 250 chum (1947)	
(15'W x 600'L x 15% ASA). Spawning area: 125 m ²	
(15'W x 600'L x 15% ASA) Spawning area: 125 m ² Species Composition Pink , coho , chum	
Timing Late - September, October	·
Schooling areas	
Shellfish Potential Dungeness crab sampled in the area off old cannery	site. Clam
beds present in ITZ - good concentration.	Sico. Oran
Sport Fisheries Pink, chum, coho, Dolly Varden and possible cutthroat (a	anadromous)
5001 0 Pionet Leb 1223, Company	
Land Use at Present Recreation - timber - possible mineral exploration.	
History of Land Use Hand logging and some impact from past cannery open	rations.
	•
Rehabilitation Potential This stream has some potential for rehab.	- it is
obstructed 150 yds and 200 yds above ITZ by log jams.	
Soils Erosion along tidal area. Potential for erosion along stream - V-	notch
watershed characteristics.	
GAME RESOURCES	
Bear Fish carcasses or bones (old or fresh) on banks, estimate	0
Number of droppings	2
Geese Number seen on tide flats	0
Number seen up creek	0
Number of broods seen	0
Mallards Number seen on tide flats	<u>Q</u>
· Number seen up creek	<u>Q</u>
Number of broods seen	<u>Q</u>
Mergansers - Number of broods, seen	0
Bald Eagles- Number seen along creek	<u></u>
Number of nests seen and location	0
Seals Number seen at mouth of stream	<u> </u>
Tide flats - Estimate length along beach	200_yds
Estimate depth out from beach	50 ft.
Eel grass present on what percent of flats	5%

	Ą		Na	ame:Pi	les Cr	eek			6-24- cature		0	····
					101-51		 	Weathe	er: <u>Hi</u>	gh bro	ken	
Station No.	1											
Pool Size/Type	3/1											
Riffle Type Width-Depth	15'W .91'D											
Pool Riffle Frequency	3											
Bottom Type (Riffle)	6											
Color/Turbidity	1/1											
Velocity	2											
Flow (C.F.S.)	16.5											
Temp. (°F.)	46°							Ì				
pl·l	5											
Fry Abundance												
Benthos Sample No.												
Higher Plant Class	2											
Aquatic Veg. Density Ident.	3											

STREAM INVENTORY FORM

General Remarks (rehab., land use, barriers, log jams, etc.):

(1) Mosses (2) Algae

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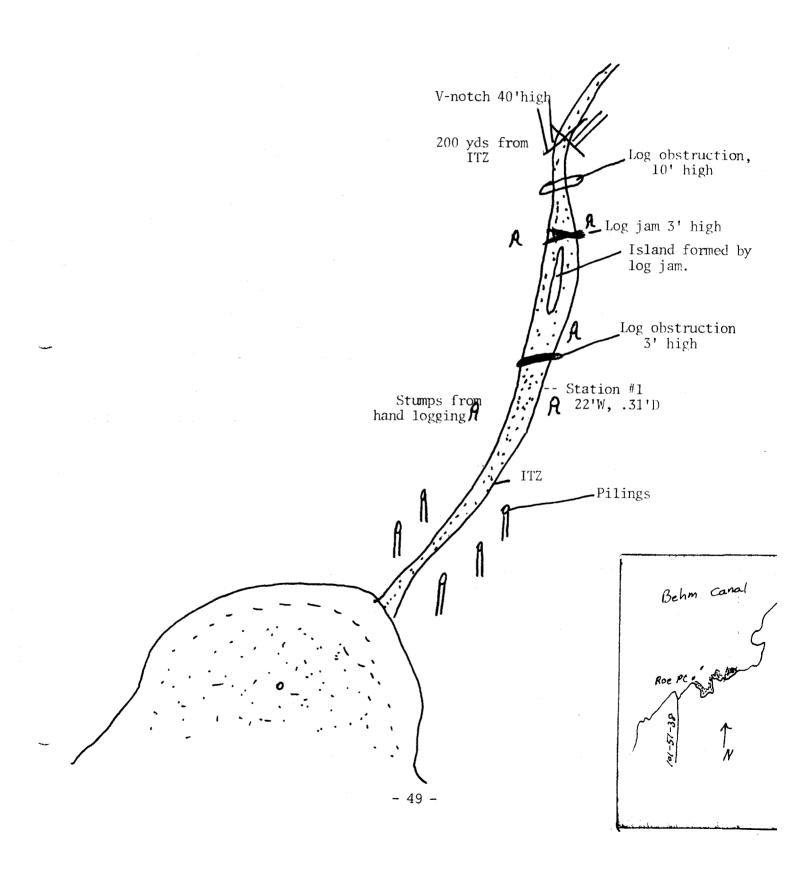
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Observers: Jones, Ward

PEAK ESCAPEMENT RECORD

Between Pt. Sykes and Pt. Nelson

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
-16-47 -31 - 73	1,000	250		Excellent. 500 @ mouth. Visibility fair.
				s
			• .	
	e e		- 48 -	



Name Island C	reek Catalog No. 101-5	51 - 38
Latitude N	55° 14' 28" WR No.	
Longitude W	131° 00' 04" K No.	
Geodetic Map 1	No. Ketchikan A-4 Work Area Ketchikar)
Location Rehm	Canal 1/4 mi So Roe Pt Watershed Length	1.8 miles
Drainage Area	reek 55° 14' 28" WR No. 131° 00' 04" No. Ketchikan A-4 Canal 1/4 mi. So. Roe Pt. of Watershed 3.9 sq. miles Type Ground water and precipitation	
Water Supply !	Type Ground water and precipitation	
Trails & Surve	ey Routes <u>Walk up stream bed as banks have de</u> n	ise brush.
		•
Aerial Survey	Notes Canopy effect from trees	
·		
Anchorage Go	od anchorage behind Carp Island. Short term ancho	prage off mouth of
stream.	on Cuprovod 1. 4.1	
Tide Stage win	en Surveyed <u>low tide</u>	
FISHERY RESOU		
Commercial :	Fisheries Pink, chum, coho	
Escapement_	Unknown - no records of past escapement.	
_ Spawning_are	ea: 245 m ² (600'x22'x20% ASA)	
Spēcies Com	position Pink , coho , chum	
	- September, October	
Schooling a	reas <u>Excellent schooling in ITZ</u>	
Shellfish P	otential Some clam and dimension and material	D
in area.	otential Some clam and dungeness crab potential	Lungeness sampled
Sport Fishe	ries Pink, coho, chum, possibly cutthroat	
oper o ribite	1111K, cono, chum, possibily currintal	
Land Use at	Present None at present, has recreation pote	ential for hunting
History of	Land Use Hand logging throughout area.	
		·
Rehabilitat	ion Potential Series of log jams with one lar	ge jam as a heavy
obstruction -	could be removed.	
Soils V-no	tch situation 200 yards from ITZ. Soils otherwise	fairly stable.
GAME RESOURCES		
Bear	Fish carcasses or bones (old or fresh) on banks,	estimate 0
to the second	Number of droppings	3
Geese	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
	Number of broods seen	0
Bald Eagles-	Number seen along creek	2
	Number of nests seen and location	<u>U</u>
	Number seen at mouth of stream	. 1
Tage flats -	Estimate length along beach	300 yds
	Estimate depth out from beach	15 ft.
	Eel grass present on what percent of flats	5%

Observers: Jones - Ward STREAM INVENTORY FORM Date: 6-24-75 Temperature: 52° Name: Island Creek Weather: Overcast Number: 101-51-38 Station No. 1 Pool Size/Type 3/1 22'W Riffle Type 31'D Width-Depth Pool Riffle Frequency 3 Bottom Type (Riffle) 4/6 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 9.4 1 Temp. (°F.) 469 рΉ 5 Fry Abundance Benthos Sample No. Higher Plant 2 Class 3 Aquatic Veg. Density Ident.

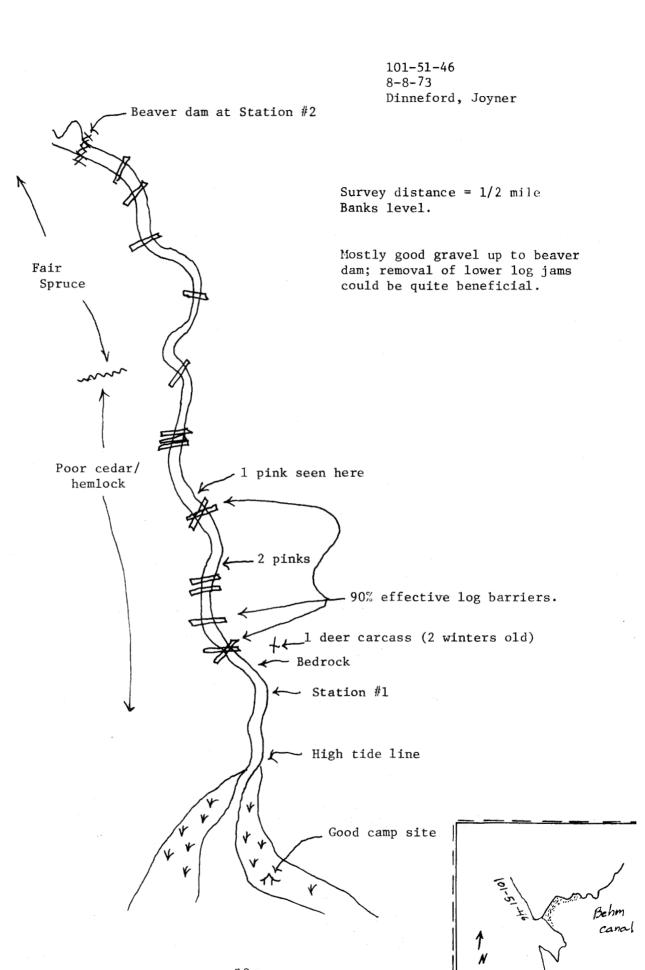
General Remarks (rehab., land use, barriers, log jams, etc.): Creek is heavily obstructed by large log jam.

(1) Mosses

(2) Algae

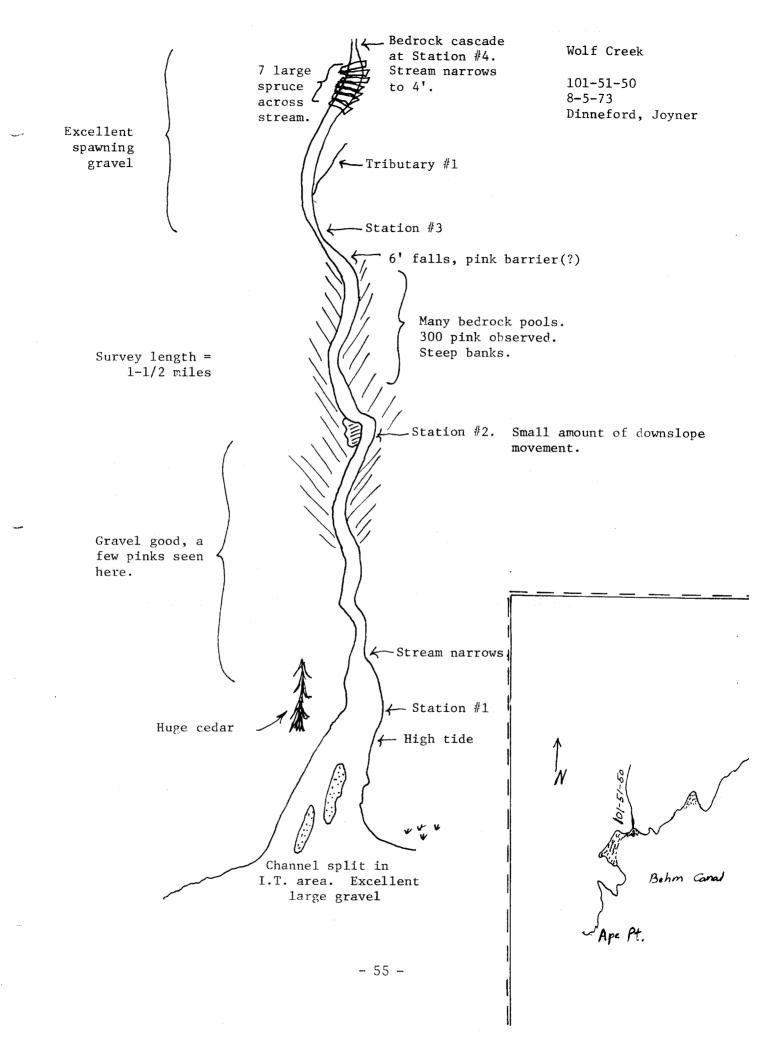
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Name		Catalog No1	01-51-46
Latitude	N 55° 14' 40"	WR No.	
Longitude	N 55° 14' 40" W 131° 06' 59"	K No.	
Geodetic Map I	w 131 Ub 59 O Ketchikan A-4, B-4 anal 1 mi. No, Ape Pt,	Work Area Ketchi	kan
Location Behm C	anal 1 mi. No, Ape Pt,	watershed Length_	1.5 miles
Drainage Area	of Watershed	-1	
water Supply	Type Precipitation, mu	skeg.	
Trails & Surve	ey Routes Good game	trail and level banks	make for easy walking.
Aerial Survey	Notes Stream too smal	1 for any degree of vis	ibility.
Anchorage Po	oor, shallow anchorage at	mouth, but well out of	wind - good camp spot
here. Tide Stage Who	en Surveyed		
_			
FISHERY RESOURCE Commercial	roes Fisheries <u>Pink adu</u>	lts & coho fry seen in	creek.
Escapement_	No records. Spawning	area: 1373 m ² (2640'x	3'x70% ASA)
Species Com	position % unknown		
Mirring Farly	pinks observed (Aug. 8)		
Schooling a	reas None		
Deliberting a	1 cas None		
Shellfish P	otential <u>Limited clam</u>	flats at mouth.	
Sport Fishe	ries <u>no trout observe</u>	d.	
Land Use at	Present None		
History of	Land Use None		
Rehabilitat	ion Potential Remov	al of beaver dam at Sta	tion #2 may extend spawn-
Soils Alti	nough banks are level and	superficially appear s	table there are many logs
across the st	ream.		sasze enere are many rogo
GAME FESOURCES			
Bear	Fish carcasses or bones Number of droppings	(old or fresh) on bank	s, estimate 0 4 fresh
Geese	Number seen on tide fla	ts	0
	Number seen up creek		0
	Number of broods seen		0
Mallards	Number seen on tide fla	ts	0
	Number seen up creek		0
	Number of broods seen		0
	Number of broods seen		1 bd., 9 you
Baid Hagles—	Number seen along creek		0
Cana	Number of nests seen an		0
	Number seen at mouth of		0 500 feet
TLOS ILBUS -	Estimate length along b		30 feet
	Estimate depth out from Eel grass present on wh		0
	The Property Att	and great course our markets	

		STREAM INVENTORY FORM Name:										Observ Date:	ers:	Dinnef 73	ord -	Jcyner
									-			Temper	ature:	rcast	_ ligh	t rain
			·	 	Nu	mber:	101-5	1-46 1		1	1	T	<u>OVE</u>	reast		
Station No.	1	2														
Pool Size/Type	1/2	1/2														
Riffle Type Width-Depth	7'W 4"D	9'W 7"D														
Pool Riffle Frequency	2	2										-				
Bottom Type (Riffle)	4/6	4/6 4/1														
Color/Turbidity	2/1	2/1														
Velocity	2	1														
Flow (C.F.S.)	2.7										ļ					
Temp. (°F.)	55°	55°														
pH	5	5														
Fry Abundance	1-1 -3-6	1-4														
Benthos Sample No.	1	0	-				-				-					
Higher Plant Class	3	2														
Aquatic Veg. Density Ident. (1) Mosses	3	3														
(2) Algae	2	2												· .		



Name Wolf Cre	ek	Catalog No.	101-51-50	
Latitude N	55° 15' 47"	WR No		
		NO		
Geodetic Map 1	NO · Ketchikan A-4, B-4 mi. No. Ape Pt. rt.side (Work AreaKet	chikan	
Location <u>1-1/4</u>	mi. No. Ape Pt. rt. side o	coWatershed Lengt	ch	
Drainage Area	of Watershed			
Water Supply !	Type <u>Precipitation</u> , dr	ains high watershed	1,	
Trails & Surve	ey Routes Mostly good	walking in shallo	w part of the str	eam. Bedrock
areas present, so	ome difficulty.			
Aerial Survey	Notes Banks mostly st	eep, trees limit si	ght from air.	
Anchorage Fa:	ir foul weather bight for	small craft only.		
Tide Stage Wh	en Surveyed Flood.			
FISHERY RESOU	RCES			
	Fisheries Pink and	coho observed. No	records of other	species
A few jumpers	in cove.		2002200 02 001101	opecies.
	Spawning area: 12361 m ²	(7920'x24'x70% ASA)	
Species Com	position % unknown.	Pinks in lower 3/4	mile. Coho in	upper 3/4.
Timing For	ly pinks (August)			
Schooling a	reas Good pools through	nout stream		
Shellfish P	otential <u>Some eel gra</u>	ass in cove. Many	shrimp larva off	mouth.
Sport Fishe	ries <u>Dolly Varden and</u>	cutthroat fry iden	tified.	
Land Use at	Present None			
History of	Land Use None			
Rehabilitat	ion Potential Ladder	ing of the 6' falls	3// mile upstres	
nrovide addit	ional pink salmon spawning	facilities	J/4 mile upstrea	im Coura
	d shape with minimal areas			
00110	onope when managed at car	o or biippage near	Station // Z.	
GAME RESOURCES				
		(7 7 7 7 7 7)		
Bear	Fish carcasses or bones	(old or fresh) on	banks, estimate	1 (old)
0	Number of droppings			0
Geese	Number seen on tide flat	S		0
	Number seen up creek Number of broods seen			0
Mallenda	Number of broods seen Number seen on tide flat	- c		0
Mallards	Number seen up creek	70		6 at mouth
	Number of broods seen			0
Marraneara	Number of broods seen			0
	Number seen along creek			0
	Number of nests seen and	l location		0
Seals	Number seen at mouth of			0
	Estimate length along be			600 feet
	Estimate depth out from			200 feet
	Eel grass present on wha			0

STREAM INVENIORY FORM

Name: Wolf Creek

Observers: Dinneford, Joyner

Date: 8-5-73

Temperature: 56°

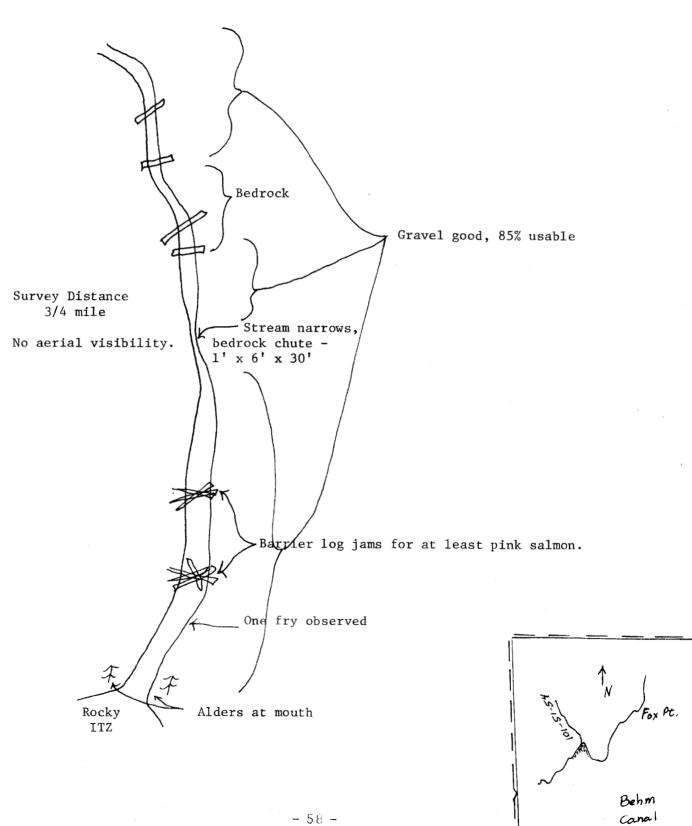
Number: 101-51-50 Weather: Partly cloudy - cool

					110	mber:	<u> 101-5.</u>	L-20	 	 	 	====	
Station No.	1	2	3	4									
Pool Size/Type	2/2	2/2	2/2	2/2									
Riffle Type Width-Depth	33'W 1'D	20'W 2'D	46'W 10"D	30'W 1'D									
Pool Riffle Frequency	2	2	2	3									
Bottom Type (Riffle)	4/5	4/5	4/6	4/6									
Color/Turbidity	2/1	2/1	2/1	2/1									
Velocity	2	2	2	2									
Flow (C.F.S.)	36		·										
Temp. (°F.)	52°	52°	52°	52°									
рН	5	5	_5	5									
Fry Abundance	1-1 3-3		5 1-3 2-1 4-4										
Benthos Sample No.	1	0	0	0									
Higher Plant Class	2	2	2	2									
Aquatic Veg. Density Ident.	2	2	2	2					·				
(1) Mosses (2) Algae	1	1	1	1									

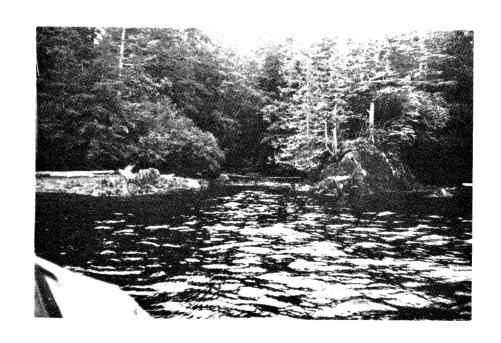
General Remarks (rehab., land use, barriers, log jams, etc.):

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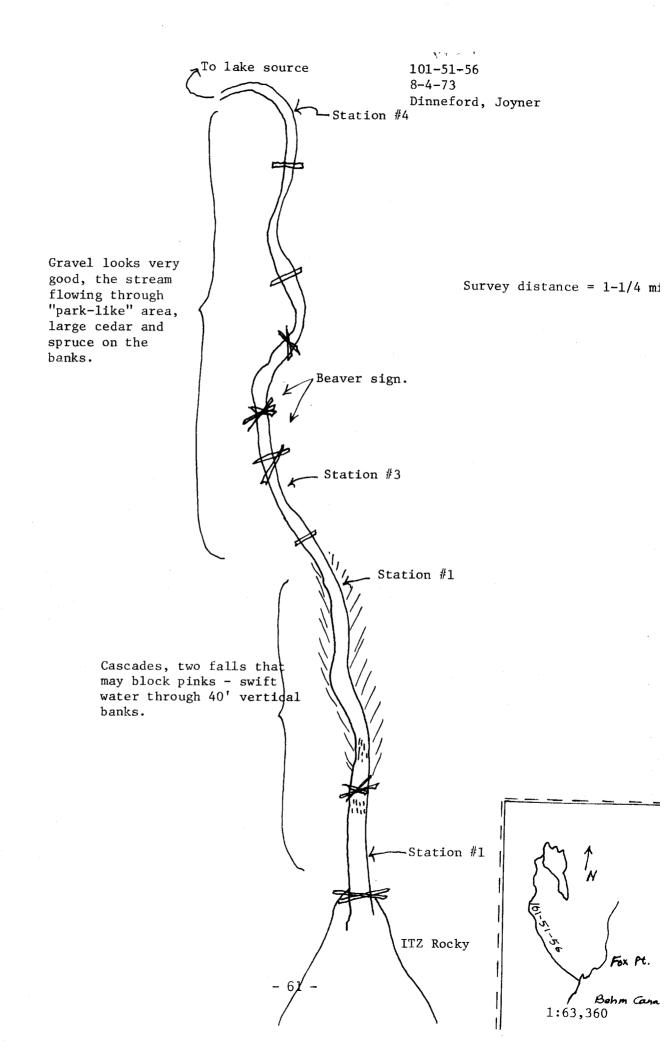
- (



Name		Catalog No	101-51-54	
Latitude <u>N</u>	55° 15' 29" 131° 05' 33" No. Ketchikan B-4	WR No		
Longitude <u>w</u>	131° 05' 33"	K No		
Geodetic Map 1	NO. <u>Ketchikan B-4</u>	Work Area	Ketchikan	
Location S.W.]	Fox Pt. 1 mile (Behm Cana	al)watersned hen	gon 2 miles	
Drainage Area	of Watershed			
water Supply	Type Muskeg, precipit	tation		
Trails & Surv	ey Routes <u>Walking e</u>	asy along stream ch	annel.	
Aerial Survey	Notes No visibility	, discolored water	and vegetation gro	owing to bank.
Anchorage Fa	ir for small crafts off p	nouth in fair weath	er.	
Tide Stage Wh	en Surveyed <u>1st ha</u>	lf ebb.		
FISHERY RESOU				
Commercial	Fisheries <u>Unknown</u>	- no record. One u	nidentified fry ol	oserved.
Escapement	Spawning area: 2207 m	2 (3960'x8'x75% ASA)	
Species Com	position <u>Unknown</u>			
Timing I	Inknown			·····
Schooling a	Unknown reas None			
201100111110	1 one			
Shellfish P	otential <u>Rocky I.T.Z</u>	•		
Sport Fishe	ries Limited for cut	tthroat		
Land Use at	Present None			
History of	Land Use None			
				•
Rehabilitat	lon Potential Log	jam removal 1/4 mi	<u>le upstream would</u>	allow pinks
easy access to	better part of stream.		and the second s	
Soils Banks	s steep, soils stable.			
CLARES TOTAL CONTROL				
GAME RESOURCES			•	
Bear	Fish carcasses or bones Number of droppings	s (old or fresh) or	banks, estimate	<u>0</u>
Geese	Number seen on tide fla	ats		0
46626	Number seen up creek			0
	Number of broods seen			0
Mallards	Number seen on tide fla	ats	•	0
	Number seen up creek			0
	Number of broods seen			Ō
Mergansers -	Number of broods seen			0
Eald Eagles-	Number seen along creel			0
	Number of nests seen a	nd location		, 0
	Number seen at mouth o			0
Tide flats -	Estimate length along 1			0
	Estimate depth out from			0
	Eel grass present on w	hat percent of flat	S	0



Mouth of 101-51-56 at high tide.



Name		Catalog No. 101-51-56	
Latitude <u>N</u>	55° 15' 12"	WR NO.	
Longitude <u>W</u> l	55° 15' 12" 131° 04' 48"	K No.	
Geodetic Map	Ketchikan B-4	Work Area <u>Ketchikan</u> Watershed Length <u>2 miles</u>	
rocation sw rox	k Pt. 1/4 ml. (Benm Canal)	Watershed Length 2 miles	
Drainage Area	of Watershed		
Water Supply	Type Lake		
Trails & Surv	ey Routes Walking alo	ng lower stream difficult, above st	ation 2
excellent.			
Aerial Survey	Notes Water quite dark	and vegetation grows to bank along	most of
rength.			
Anchorage <u>Ro</u> c	ck directly off mouth offe	rs little protection - makes approa	eh difficult.
Tide Stage Wh	en Surveyed <u>lst half e</u>	bb.	
FISHERY RESOU	RCES		
		ve off mouth - many coho trapped al	1 along
distance.			
Escapement_	Unknown, (above Statio	on #2 facilities for spawning excell	ent)
	$(1-1/4 \text{ mi.L } \times 25'W \times 50\%)$	ASA) Spawning area: /664 m ²	
Species Com	position <u>Percentages</u>	unknown	
Schooling a	ossibly early.	potnetial in ITZ	
Deliooting a	very poor. Some	polificial in IIZ	
Shellfish P	otential Rocky ITZ.	100%	
Sport Fishe	ries <u>Cutthroat and Dol</u>	ly Varden fry trapped.	
mand use ac	Present None		
History of	Land Use None		
Rehabilitat	ion Potential <u>Two</u> f	alls between #1 and #2 may stop pin	k salmon
from upstream	area.		
Soils Bedi	rock up to Station #2 with	some downslope movement above #2 v	ery level
banks, no prol	olem.		
GAME RESOURCES			
Bear	Fish carcasses or bones	(old or fresh) on banks, estimate	0
	Number of droppings	•	0
Geese	Number seen on tide flat	5s	0
	Number seen up creek		0
	Number of broods seen		0
Mallards		58	0
	Number seen up creek		0
	Number of broods seen		0
Mergansers -	Number of broods seen		0
			0
<u> </u>	Number of nests seen and		0
Seals	Mumber seen at mouth of		0
Tide flats -	Estimate length along be	each	0
	Estimate depth out from		0
	Eel grass present on wha		0

STREAM INVENTORY FORM

Name:

Number: 101-51-56

Observers: Dinneford, Joyner

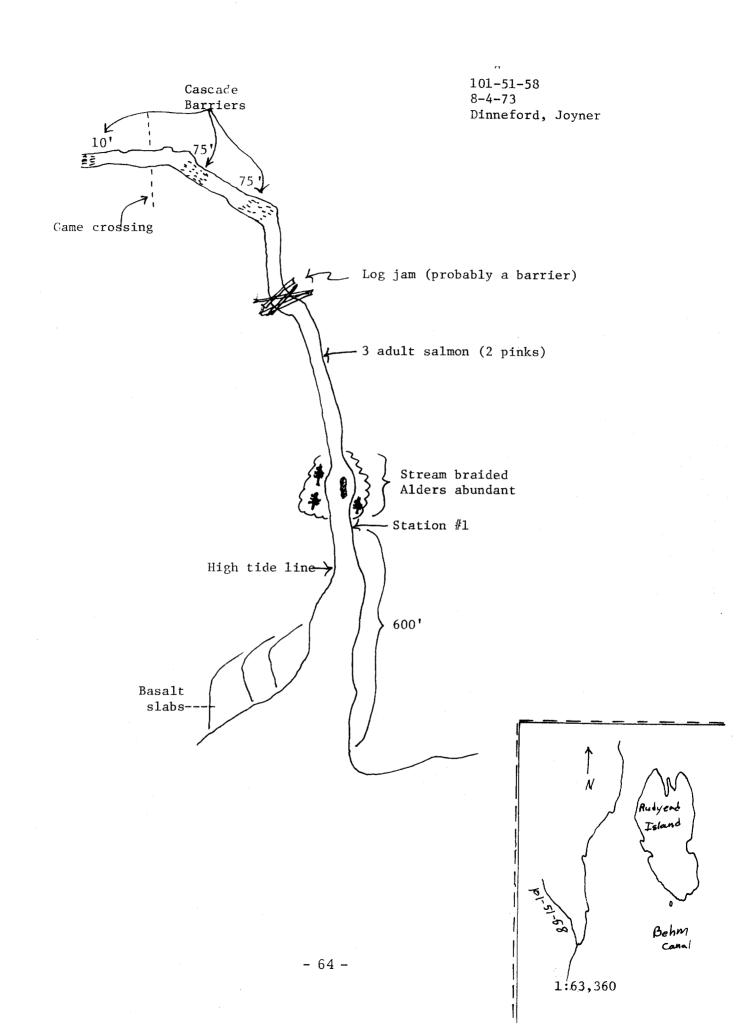
Date: 8-4-73

Temperature: 57°

3 2 A A A

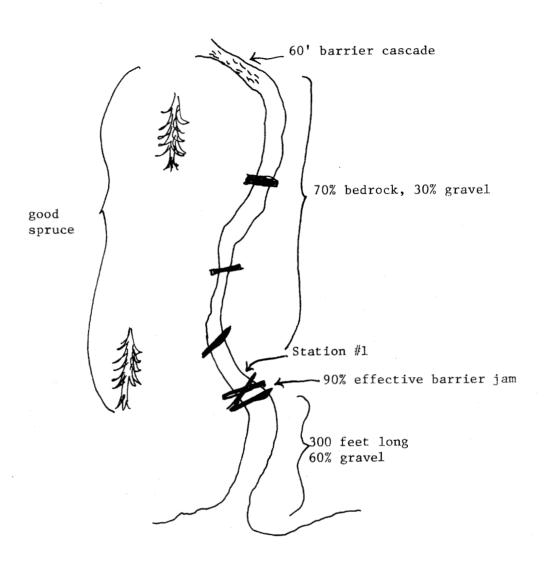
Weather: Overcast

Station No.	1	2	3	4						
Pool Size/Type	3/2	1/1	1/1	1/3						
Riffle Type Width-Depth	34'W 7"D	26'W 10"D	28'W 8"D	24'W 6"D						
Pool Riffle Frequency	3	3	2	3						
Bottom Type (Riffle)	4/6	6/4	6/4	4/1						
Color/Turbidity	2/1	3/1	3/1	3/1						
Velocity	2	2	2	2						
Flow (C.F.S.)	13.4									
$\frac{6}{1}$ Temp. (°F.)	58°	58°	58°	58°						
pН	5	5	5 1-11	5						
Fry Abundance	1-1 4-2	4-2	2-15 4-6	0						
Benthos Sample No.	1	0	0	0						
Higher Plant Class	2/3	3/2	3/2	1/3						
Aquatic Veg. Density Ident.	3	3	2	2						
(1) Mosses (2) Algae	1	1	_ 1	1						

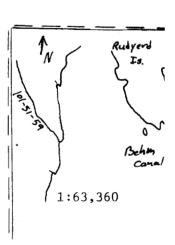


Name	N 55° 17' 15" W 131° 03' 34"	_ Catalog No	101-51-58	····
Latitude	N 55° 17' 15"	_ WR No	etchikan	
Longitude	7 131° 03' 34"	_ K No		
Geogetic Map	NO. Ketchikan B-4	11 0 - 11 - 11 - 10 - 10	CCCHIKAH	
recarion W.S.W	So. tip of Rudyerd Isl	and watersned her	igun 3 miles	
Drainage Area	of Watershed			
waser Suppry	Type <u>Muskeg pond a</u>	t nead		
Trails & Surv	ey Routes Walking d	ifficult along str	eam, slippery bould	ers.
Aerial Survey	Notes Good visibil	ity especially in	long ITZ.	
Anchorage Fa	ir for small craft in ca	lm weather only.		
	en Surveyed 1st h			•
_				
FISHERY RESOU				
commercial	Fisheries Pink and	possibly coho (pin	k positively)	
Escapement	Unknown, no record.	Spawning area; 1	324 m ²	
	$(3/8 \text{ mi } \times 18' \text{ W} \times 40\%)$	ASA)		
Species Com	position Percentage	s unknown.		
Timing R.	-1	211		
Schooling a	rly to middle (Aug. 1 to reas <u>Intertidal offe</u>	re some arose		
D01:001110 0	Intercludar office	15 Some areas.		
Shellfish E	otential <u>None, grav</u>	el and bedrock int	ertidal zone.	
Sport Fishe	ries <u>Poor. No fry</u>	observed. Few poo	<u>ls in upper surveye</u>	d distance.
Tand I'se at	Present None			
Land Obs at	11000110			
History of	Land Use None			
Rehabilitat	tion Potential Re	moval of log jam b	elow barrier falls	could slightly
enhance pote		1	· · · · · · · · · · · · · · · · · · ·	
SOLIS Ban	ks relatively steep bedr	ock, no downslope	movement noted.	
GAME RESOURCES				•
	77. 1	(2 2 0 1)		
Bear	Fish carcasses or bone	s (old or tresh) o	n banks, estimate	0
Ge <u>e</u> se	Number of droppings Number seen on tide fl	nte		0
G6626	Number seen up creek	aus		0
	Number of broods seen			0
Mallards	Number seen on tide fl	ats		0
PECTION OO	Number seen up creek	.000		0
	Number of broods seen			0
Vanzansans =	Number of broods seen			0
	Number of brooks seen Number seen along cree	2]5		0
remarkan-	Number of nests seen a			0
Sas]e	Number seen at mouth o			0
	Estimate length along			0
1_00 11000 -	Estimate depth out fro			0
	Eel grass present on w		ats	0

		STREAM INVENTY FORM								Observers: Dinneford, Joy : Date: 8-4-73								
		Name:									Temperature: 57° Weather: Overcast - cool							
					Νι	mber:_	101-5	51-58				Weathe	r: <u>Ov</u>	ercast	- coo	1		
Station No.	1										ļ	ļ			-			
Pool Size/Type	2/2														ļ			
Riffle Type Width-Depth	34 ' W 5"D																	
Pool Riffle Frequency	3																	
Bottom Type (Riffle)	4/5																	
Color/Turbidity	2/1										ļ <u>.</u>							
Velocity	2																	
Flow (C.F.S.)	12																	
Temp. (°F.)	54°						ļ								ļ			
pН	5						<u></u>											
Fry Abundance	3–1																	
Benthos Sample No.	1																	
Higher Plant Class	2																	
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	2																	



Survey distance 1/8 mile to barrier cascade.



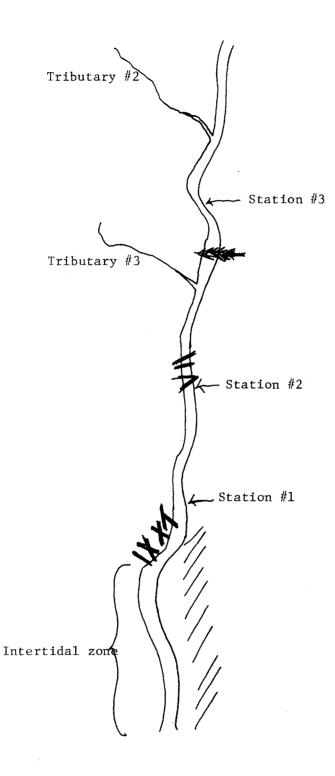
Name	Ca	talog No. 101-51-59	
Latitude	N 55° 17' 00" WR	NO.	
Longitude	W 131° 03' 26" K	No	
Geodetic Map	No. <u>Ketchikan B-4</u> Wo	No. rk Area <u>Ketchikan</u> tershed Length <u>1-3/4 mile</u>	
Location W of	S.end Rudyerd Island Wa	tershed Length <u>1-3/4 mile</u>	
Brainage Area	or watersned		
water Supply	Type Precipitation, spr	ings	
Trails & Surv	ev Routes Fair walking in	the stream.	
II di	rail walking in		
Aerial Survey	Notes Stream too small	to be observed from air.	
Anchorage Ve	ry poor off mouth (exposed di	rectly to southeast winds).	
Tide Stage wn	en Surveyed <u>1st half of</u>	flood	
FISHERY RESOU			
Commercial	Fisheries <u>No fry or adult</u>	fish observed.	
Faganoment	No second	150 -2 (20010160% ACA)	
Eggapement_	No record. Spawning area	150 m ² (300'x9'x60% ASA)	
Species Com	position Unknown		
77.1			
Timing Unkn	reas None observed.		
DOMOUTING G	Total Mone observed.		
Shellfish F	otential Intertidal rock	y, sharp drop off	
	N. C.		
Sport Fishe			
Land Use at	Present None		
	And the second s		
History of	Land Use None		
Rehabilitat	ion Potential Cascade t	oo extensive to build a ladder o	n.
Soils Stab	le.		
DOLLD			
			The state of the s
GAME RESOURCES			
Florin	Fish carcasses or bones (o)	l or fresh) on banks, estimate	0
	Number of droppings	of fresh, of bands, esomble.	0
Geese	Number seen on tide flats		0
	Number seen up creek		0
	Number of broods seen		0
Mallards	Number seen on tide flats		0
	Number seen up creek		0
	Number of broods seen		0
Mergansers -	Number of broods seen		1 (4 young)
Bald Eagles-	Number seen along creek		0
	Number of nests seen and lo		0
Seals	Number seen at mouth of str	∍am	0
Tide flats -			0
	Estimate depth out from bear		0
	Eel grass present on what p	ercent of flats	0

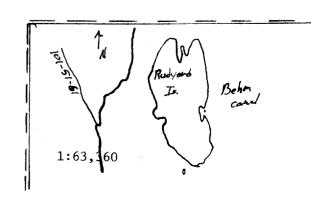
	Name:											Date: 8-4-73						
												Tempe:	rature	: 56°				
			-		N	umber:	101-5	1-59	-			weatne	er:	vercas	τ -	cool		
Station No.	1	-																
Pool Size/Type	2/2																	
Riffle Type Width-Depth	9'W 4"D																	
Pool Riffle Frequency	3																	
Bottom Type (Riffle)	4/6																	
Color/Turbidity	2/2																	
Velocity	2																	
Flow (C.F.S.)	1.7																	
Temp. (°F.)	54°																	
рН	5																	
Fry Abundance	3-1																	
Benthos Sample No.	1								ı									
Higher Plant Class	2																	
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	2																	

General Remarks (rehab., land use, barriers, log jams, etc.):

Log jam at mouth.

101-51-61 8-4-73 Dinneford, Joyner





Name		Catalog No.	101-51-61	
Latitude N	55° 17' 30"	WR No.		
Longitude W	131° 03' 24"	17 1/ 0 •		
Geodetic Map	lo. Ketchikan B-4	Work Area K	etchikan	
Location Behm	Canal, W. of Rudyerd Islan	dWatershed Le	ngth 2 miles	
Drainage Area	of Watershed	· · · · · · · · · · · · · · · · · · ·		
water Supply	Type Springs, runoff			
Trails & Surv	ey Routes Walking easy	in stream.		
Aerial Survey	Notes Visibility margi	nal, stream not	large.	
Anchorage Fa	ir for small craft off mo	outh.		
Tide Stage Wh	en Surveyed lst half o	f flood.		
FISHERY RESOU	RCES			
	Fisheries <u>None observe</u>	d, no record.		
Escapement	Unknown. Spawning area;	1987 m ² (3564'	x12'x50% ASA)	
Species Com	position Unknown			
Timing Unkn				
Schooling a	reas Very limited in I	TZ		
01 13 01 1 1		4 4	,	
Shellfish P	otential None, I.T.Z.	all gravel, ste	ep dropoff mouth.	
Sport Fishe	ries Cutthroat, Dolly Va	ırden		
	T)			
Land Use at	Present None		**************************************	
History of	Land Use None			
Pohabilitat	ion Potential Hemlock	r across stream	hetween #2 and #3:	romoval coul
enhance strea		across stream	between #2 and #5:	Temoval coul
	downslope movement in scat	tered locations	•	
			·	
GAME RESOURCES				
Pear	Fish carcasses or bones	(Ald or fresh)	on hanks estimate	0
Dom	Number of droppings	(Ord Or Trebit)	M parks, escribice	0
Geese	Number seen on tide flat	S		0
	Number seen up creek			0
	Number of broods seen			0
Mallards	Number seen on tide flat	S		0
i	Number seen up creek		•	0
	Number of broods seen			0
- Mergansers 🗕	Number of broods seen			0
	Number seen along creek			0_
	Number of nests seen and			0
	Number seen at mouth of			0
Tide flats -	Estimate length along be			0
	Estimate depth out from			0
	Eel grass present on wha	t percent of fla	ats	0

STREAM INVENIORY FORM

Name:

Observers: Dinnelora, Joyner

Date: 8-4-73

53°

Temperature: Weather: Overcast

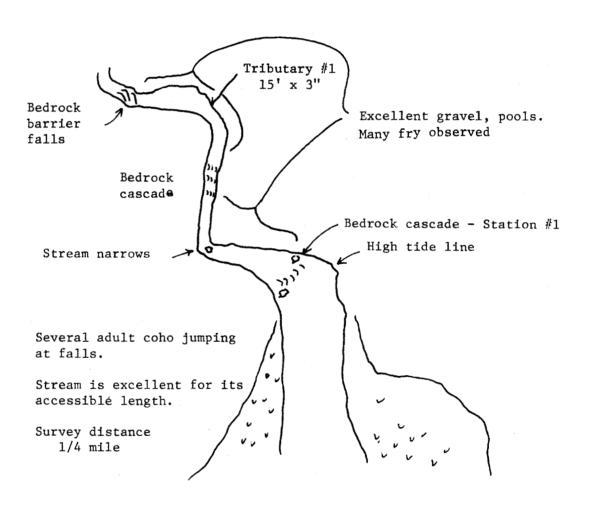
Number: 101-51-61 Station No. 3 (5/8 mile upstream) 2 1 Pool Size/Type 1/2 2/1 2/2 15.5'W 10.5'W10.5'W Riffle Type 6"D 6"D Width-Depth 3"D Pool Riffle 3 Frequency 3 3 Bottom Type (Riffle) 4 4/6 4/6 Color/Turbidity 2/2 2/1 2/1 Velocity 2 Flow (C.F.S.) 2.7 Temp. (°F.) 52° 53° 52° pН 5 2-2 Fry Abundance 3-1 4-6 4-1 Benthos Sample No. 1 0 0 Higher Plant Class 2/3 2 2/1 Aquatic Veg. 3 3 3 Density Ident. (1) Mosses 2 (2) Algae 1 1

General Remarks (rehab., land use, barriers, log jams, etc.):

No fry observed at all - offers jam possibilities for coho rehabilitation.

Narrow Pass Creek

101-51-67 7-27-73 Dinneford - Joyner



Name Narrow	Pass Creek	Catalog No.	101-51-67	
Latitude N	55° 19' 07"	WR No. 68		
Longitude <u>w</u>	55° 19' 07" 131° 03' 06" 0. Ketchikan B-4	K No. 68		
Geodetic Map 1	10. <u>Ketchikan B-4</u>	Work Area	Ketchikan	
LUCCUTCH WISH	ore bedii Canai 7 Dii.Nw Ki	innapita digusina a	TIPE LE S S MILAC	
Drainage Area	of Watershed			
water Supply :	Type <u>Precipitation.</u>			
Trails & Surve	ey Routes <u>Easy walki</u>	ng at low water	along atroom banks	
	Lasy warki	ing at 10w water	arong stream banks.	
Aerial Survey	Notes Excellent visi	bility below an	d along stream banks	•
Anchorage P	oor anchorage off mouth i	n shallow lagoo		
Tide Stage Whe	en Surveyed <u>lst half</u>	of ebb.		
FISHERY RESOU	RCES			
Commercial barrier falls	Fisheries Pink, chum,	coho - coho ob	served 7-27-73 jumpi	ng at
Escapement_	1947. 500 pink: 100 chu	m: 100 coho.		
Shamutud area	4700 W- (1350.X40.X82*	ASA)	· ·	
Species Com	position <u>70% pink, 15</u>	% coho, 15% chu	m	
Timing Lat	e - September to October.	· · · · · · · · · · · · · · · · · · ·		
Schooling a	reas Off mouth in lag	oon .	·	
		X X 4		
Shellfish P	otential <u>No crab take</u>	n in set off mo	uth in 10 fathom. P	otentially
fair sand fla	ts.			•
Sport Fishe	ries No trout observed.	Should be fine	sportcasting for co	ho.
Tond Man at	Progent N-	<u> </u>		
Hand Use at	Present None			
History of				
•				
Rehabilitat	ion Potential <u>Below</u> f	alls no rehab.	required. Above fal	<u>ls should be</u>
looked at aer	ially.			
Solls Very	stable. A bit of bedroc	k in stream bed		
GAME RESOURCES				
Bear	Fish carcasses or bones	(old or fresh)	on banks, estimate	0 .
	Number of droppings		1 set o	f_tracks
Geese	Number seen on tide flat	SS		0
	Number seen up creek Number of broods seen			0
Mallards	Number of broods seen Number seen on tide flat			0
rarrards	Number seen on creek	00		0
	Number of broods seen			0
Mergansers -	Number of broods seen			
	Number seen along creek			. 1
	Number of nests seen and	llocation	,	á
Seals	Number seen at mouth of			. Ŏ
Tide flats -	Estimate length along be			1/4 mile
	Estimate depth out from			40 feet
	Eel grass present on wha	at percent of f.	lats	∠ 15%

STREAM	INVENTORY	FORM
STIMME	TYANTATATATA	TOTAL

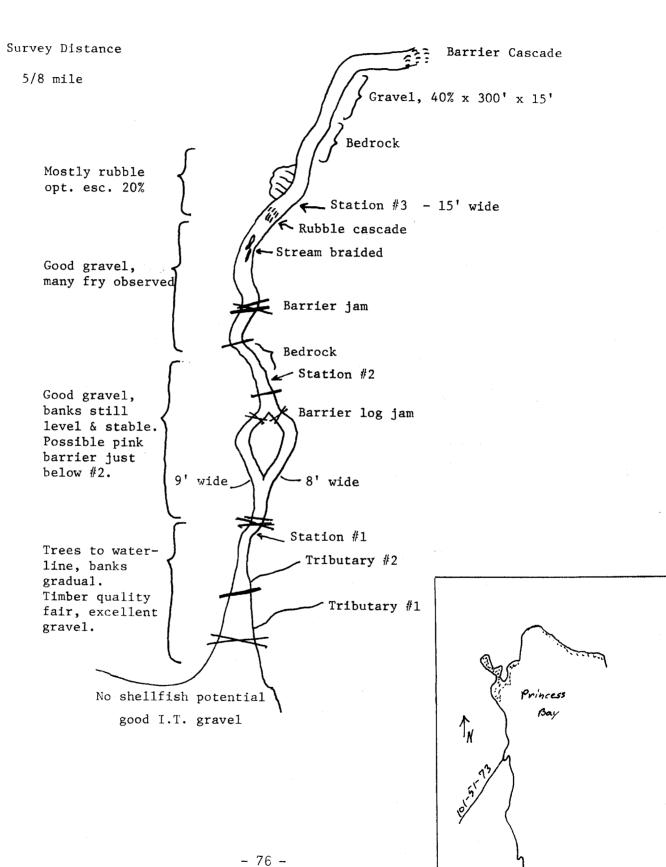
Observers: Dinneford, Joyner 7-27-73 Date:

Name:	Narrow	Pass	<u>Cre</u> ek
-------	--------	------	---------------

Temperature: Weather: Sunny

	1/4 mi. to barrier falls.					Name. Narrow Pass Creek							Weather: Sunny				
	1/4 m1.	to bar	rier i	alls.		Nt	mber:	101-	51-67				Weathe	er:	Sunny		
	Station No.	1															
	Pool Size/Type	1/2															
	Riffle Type Width-Depth	34'W 15"D															
	Pool Riffle Frequency	2															
	Bottom Type (Riffle)	4			·		-										
	Color/Turbidity	2/1															
	Velocity	2															
! 7	Flow (C.F.S.)	26.0															
Л	Temp. (°F.)	58°															
	pH	5															
	Fry Abundance	0															
	Benthos Sample No.	1															
	Higher Plant Class	1/2															
	Aquatic Veg. Density Ident. (1) Mosses (2) Algae	3															
	(2) Aigae 1				!	<u>i</u>					l	l				1	

General Remarks (rehab., land use, barriers, log jams, etc.): No fry trapped, many observed. Adult coho jumping at barrier falls.



1:63,360

lianie		Uatalog No. 101-51-73	
Latitude	W 55° 23' 21"	WR No.	
Longitude	N 131° 02' 00"	17 140 •	
Geogetic Map 1	NO. <u>Ketchikan B-4</u>	WOLK Aled Ketchikan	
Location W she		Watershed Length 3 miles	
Drainage Area			
water Supply :	Lype <u>Lakes</u>		
Trails & Surve	ey Routes <u>Easy walk</u> i	ing along stream.	
Aprial Survey	Notes Vicibility fair	r, best in lower half of area survey	· od
Anchorage <u>G</u> craft.	ood off mouth. Excellent	t all weather bight 1/2 mile to sout	h for small
Tide Stage Wh	en Surveyed First hal	lf of ebb.	
FISHERY RESOU	RCFS		
Commercial	Fisheries Coho taker	n in fry trap.	
Escapement_	Spawning area: 2529 m	m ² (3300'x15'x55% ASA)	
Species Com	nosition No record	Potnetial pink utilization up to b	arrier below
station #2.	poblication no record.		dirici below
Timing unk	nown.		
Schooling a	reas A few pools prese	ent between #2 and #3.	
and the second			
Shellfish P	otential None		
Sport Fishe	ries <u>Unknown, no</u>	fry observed.	
Land Use at	Present None		
History of	Land Use None		
Rehabilitat	ion Potential Excel	lent. Removal of two log jams below	v the barrier
	be considered.		
SoilsB	anks very gravual, a bit	of downslope movement at Station #3	3.
			····
GAME RESOURCES			
Bear	Fish carcasses or bones	(old or fresh) on banks, estimate	0 .
	Number of droppings		0
Geese	Number seen on tide fla	its	0
	Number seen up creek		0
	Number of broods seen		0
Mallards	Number seen on tide fla	ets	0
	Number seen up creek		0
	Number of broods seen		0
Mergansers -	Number of broods seen		0
Bald Eagles-	Number seen along creek		th of mouth.
	Number of nests seen ar	nd location	0
	Number seen at mouth of		0
Tide flats -	Estimate length along b		0
	Estimate depth out from		0
	Eel grass present on wh	nat percent of flats	0

STREAM INVENTORY FORM

Name:		

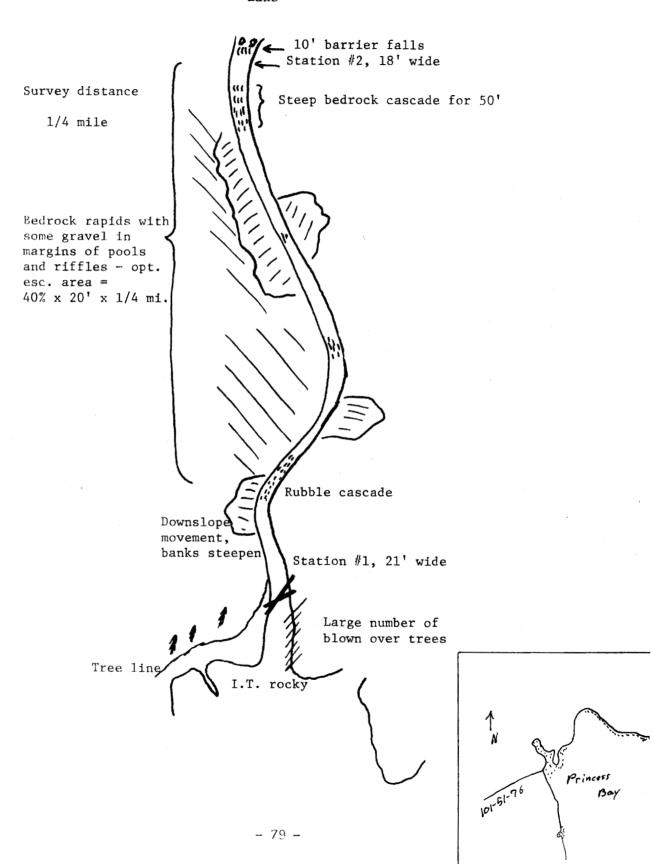
Observers: Dinneford - Joyner

Date: 7-26-73
Temperature: 62°
Weather: High clouds, sunny

		_		-	N	mber:	101-	51-73	7.	 	·	Weathe	r: Hi	gh clo	uds, s	unny
Station No.	1	2	3													
Pool Size/Type	3/2	3/2	3/2													
Riffle Type Width-Depth	20'W 4"D	13'W 10"D	15'W 8"D													
Pool Riffle Frequency	3	3	2													
Bottom Type (Riffle)	4	6	4													
Color/Turbidity	2/1	2/1	2/1													
Velocity	2	2	2													
Flow (C.F.S.)	4.7															
Temp. (°F.)	61°	61°	61°													
pH	5	5	5												·	
Fry Abundance	1-1 3-1	1-5 3-1	0													
Benthos Sample No.	1	0	0													
Higher Plant Class	1	1	1				,									
Aquatic Veg. Density Ident.	1	1	2													
(1) Mosses (2) Algae	2	2	1													

General Remarks (rehab., land use, barriers, log jams, etc.): Water level up 3". Rehab. warrented for two log barriers below barrier falls.

↑ Lake



Name		Catalog No101-51-76	
Latitude <u>W</u>	55° 24' 05"	WR No.	
	131° 02' 18"	A NO.	
Geodetic Map	No. <u>Ketchikan B-4</u>	Work Area Ketchikan	
Location NW	corner Princess Bay	Watershed Length 4 miles	
Drainage Area	of Watershed Type Lake and muskeg		
water ouppry	Type Lake and muskeg		
Trails & Surv	ey Routes Walking to b	arrier falls farily difficult along	stream side.
Aerial Survey	Notes Poor visibili	ty except in ITZ.	
Anchorage F	air at mouth for small c	raft, mostly exposed to southeast.	
Tide Stage Wh	en Surveyed lst hal	f of ebb.	
FISHERY RESOU	RCES		
Commercial	Fisheries Coho tak	en in fry trap	
Escapement_	No record. Spawning a	rea: 981 m ² (1320'x20'x40% ASA)	
Species Com	position unknown		
Timing Unk	nown		
Schooling a	reas <u>Very limited off</u>	mouth in ITZ.	
Shellfish F with Alava #4	otential Shrimp lar	va observed in ITZ. Sandy shelf off	mouth (combine
Sport Fishe	ries <u>Cutthroat fry ob</u>	served. Sport fishing very limited.	
Land Use at	Present None		
History of	Land Use None		
Rehabilitat	ion Potential No wor	k required in the productive area of	the stream.
Soils Inst	ability noticed above st	ation #1 to barrier falls.	
GAME RESOURCES			
Bear	Fish carcasses or bones Number of droppings	s (old or fresh) on banks, estimate	0
Geese	Number seen on tide fla	its	0
•	Number seen up creek		0
	Number of broods seen		0
Fallards	Number seen on tide fla	ıts	1 female
	Number seen up creek		0
Managana	Number of broods seen Number of broods seen		0
Mergansers -		· .	0
ratu Eagres-	Number seen allong creek Number of nests seen ar		0
Seels	Number seen at mouth of		3
	Estimate length along b		300 feet
	Estimate depth out from		30 feet
	Eel grass present on wh		0
		-	

STREAM INVENIORY FORM

Name: Alava #5

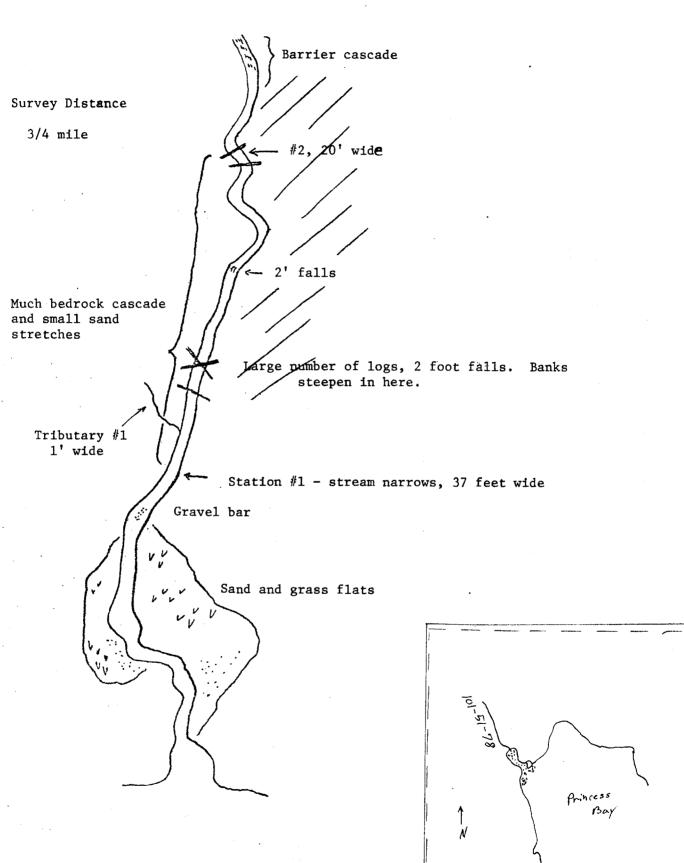
Observers: <u>Dinneford - Joyner</u> Date: 7-26-73

Temperature: 65°

				N	umber:	101-5	1-76		 Weath	er: Pa	rtly c	loudy	
Station No.	1	2											
Pool Size/Type	2/1	2/1											
Riffle Type Width-Depth	21'W 1'D	18'W 3'D											
Pool Riffle Frequency	3	3											
Bottom Type (Riffle)	4/5	4/6											
Color/Turbidity	1/2	2/1											
Velocity	2	3											
Flow (C.F.S.)	28.8												
Temp. (°F.)	59°	59''											
Hq	5	5											
Fry Abundance	3-1 4-1	_											
Benthos Sample No.	1	0											
Higher Plant Class	1	1						·					
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	3	2											

General Remarks (rehab., land use, barriers, log jams, etc.):

Barrier falls 1/4 mi. upstream.



Hame Cripple	Creek	Catalog No.	101-51-78	•
Latitude N.	55° 24' 22"	WR No.	60	
fongitude W.	.31° 2' 24''	K No.	69	
	O. Ketchikan - B-4	Work Area Ke	tchikan	
	orner Princess Bay	Watershed L ϵ	ngth 5 miles	
Drainage Area				W-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
Water Supply	ype Muskeg			
Trails & Surve	y Routes Walking easy	in lower stree	m - upper area. looke	14ka
torrential f	ows occur.	In lower stream	m - upper area rooks	TIKE
	Notes Very limited exce	ept at mouth and	I.T. area.	
Anchorage Small	craft can enter lower I.	T. at low water	•	
Tide Stage Wh	en Surveyed lst half c	of flood.		
FISHERY RESOU				
Commercial :	Fisheries Pink salmon,	a few coho obse	rverd 7-24-73.	
	10/0 1 000 -1-1- 200 -1-		_(_1 , 10/7 0 1	
1951. 3.700	1940, 1,000 pink, 200 chu pink, 55 chum, 1 red; 1952	1m; 1941, 10,000	pink,; 1947, 2 chum	i, 3 cono;
	5435 m ² (3900'x30'x50%	AGA)	(pink, 150 ch	(um.)
	ition: 90% pink, 10% chu		Territoria de la companya della companya della companya de la companya della comp	
Timing Late	September, October			
Schooling a	reas Limited in I.T. lag	goon.		
	otential Fair mudflats	exposed at low	tide. Shrimp larvae	observed
in lower I.T	ries Trout observed, nor	ne taken in fry	trans Many good lo	oking pools
above Station	#1.	ie caken in ity	traps: Hany good re	OKING POOLS
	Present None	····		
	4-44-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4			
history of	Land Use None			_
Hehabilitat	ion Potential Major s	spawning areas i	ree from debris.	
Solls Unct	abilities from mid station	ne #1 and #2	4. a. a. m	
OU TEL	DITTUES ITOM MIN SCALIO	is wi and we ups	LIEAM.	
erbert magnet kommerkte zeitem zu AAN abtrontliche kommer 4000 Mehret				
CAME RESOURCES	· \			
Franke	Fish carcasses or bones	(ald on frach)	on hanks actimates:	
	Number of droppings	(ord or riestl)	on parms, escinable	0
Geese	Number seen on tide flat	8.		0
	Number seen up creek	••		0
•	Number of broods seen	•		0
Mallards	Number seen on tide flat	3		0
	Mumber seen up creek 🔧			0
	Number of broods seen			0
	Mumber of broods seen	(females, at m	outh)	3
Paid Eagler-	Number seem along creek			0
to a second	Number of nests seen and			0
	Number seen at mouth of			0
inno ilats -	Estimate length along be			500 ft.
	Estimate depth out from		n ha ca	30 ft.
	Ed grass present on who	w percent of Il	a US	0%

STREAM INVENIORY FORM

Name: Cripple Creek

Number: 101-51-78

Observers: Dinneford - Joyner

Date: 7-24-73

Temperature: 66°

Weather: Light rain

				 	 	-		 	 	 ,
Station No.	1	2								
Pool Size/Type	0	1/2								
Riffle Type Width-Depth	37'W 10"D	20'W 24"D								
Pool Riffle Frequency	3	1								
Bottom Type (Riffle)	1/4	4/6								
Color/Turbidity	1/2	1/2								
Velocity	2	2					_			
Flow (C.F.S.)	22									
Flow (C.F.S.) C.F.S.) Temp. (°F.)	51°	51°								
plí	5	5								
Fry Abundance										
Benthos Sample No.	1	0		-						
Higher Plant Class	1	2								
Aquatic Veg. Density Ident.	3	2								
(1) Mosses (2) Algae	2	1								

General Remarks (rehab., land use, barriers, log jams, etc.):

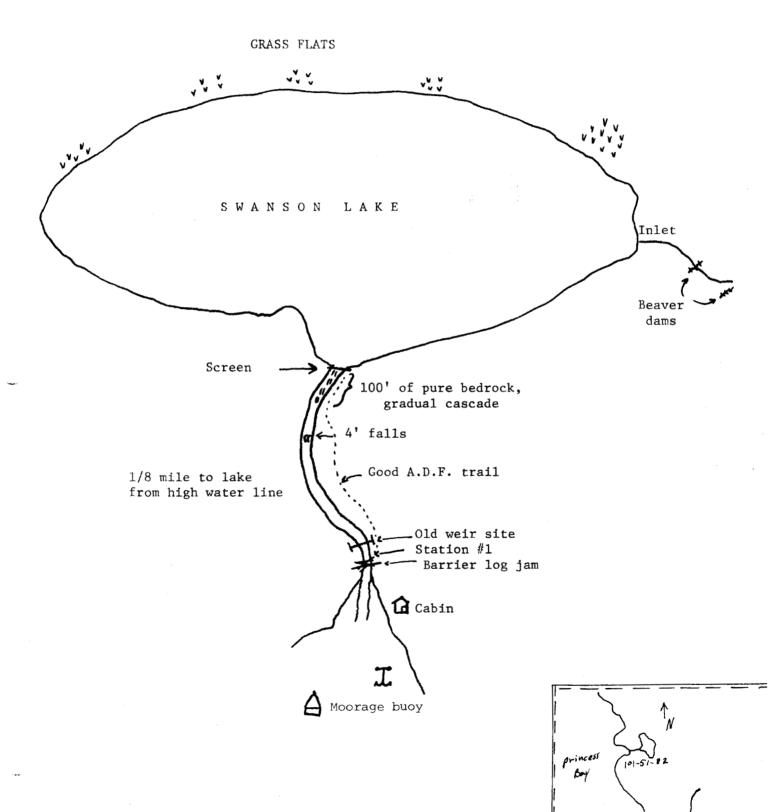
Good pink area in ITZ. No fry observed; adults (coho?) between #1 and #2.

PEAK ESCAPEMENT RECORD

Princess Bay, N.W. corner 101-51-78

101-51-78	PINK	СНИМ	OTHER SPECIES	REMARKS
				KLPI/KKO
9-14-40	1,000	200		Good. 4000 fish off mouth
10-6-41	10,000			
10-12-46				Most salmon @ mouth of stream.
10-4-47		2	3 coho	
9-15-51	3,200	55	l red	2-3000 off mouth. 500 dead pink
8-14-52	80			
9-19-54	1,600	75		400 dead pink, 20 dead chum.
9-14-56	200	150		200 pink at mouth.
9-7-66	250			Poor visibility. Stream hi & day
		**		
	·			
				*
			- 85 -	

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Name Swanso	n's Creek	Catalog No.	101-51-82	
Name <u>Swanso</u> Latitude <u>N</u>	55° 23' 33"	WR No.		
Longitude w	130° 59' 12"	K No70		
Geodetic Map 1	O. Ketchikan B-4	Work Area Ke		
Location E.Sho	re Princess Bay	Watershed Le	ngth 1/2 mile	
Drainage Area	of Watershed			
Water Supply 1	TypeLake			
Trails & Surve	ey Routes 1/8 mile	rail on south st	ream bank.	
Aeriai Survey	Notes No visibility.			
Anchorage The	re is a moorage buoy just	off the mouth o	f the creek.	
Tide Stage Who	en Surveyed 2nd hál	of ébb.		
FISHERY RESOU	RCES			
	Fisheries Coho finger	rlings planted af	ter poisoning of th	e lake
	No record. Spawning are mi x 12' x 40%)	a: 294 m ²		
Species Com	position No escapemen	nt observations o	on record.	
Timing Unk				
Schooling a	reas None			
Shellfish P	otential <u>None</u>			
Enont Etako	ries Cutthroat trappe	d at Station #1	chapmed at lake in	10+ and
caught just be		at Station #1,	observed at take In	itel, and
Land Use at	Present None		ىرى يې دورد دې دولواله چې د دې يې د دې پې ويې پې پې او د او د او د او د او د و د و د او د ده ده ده ده د د د د د د د د د د د د د	
10. 100 C/12 C/	an incompanies and the first and an analysis a			
History of	Land Use ADF&G had a	weir (downstream	n) after planting 90	,000 sockeye
and coho in 19)59.			
Rehabilitat	ion Potential A sm	all system (22 ad	cre lake) but a mini	mum of work
would allow fi				
Soils Stab	ole.			
and the same of th				
				•
GAME RESOURCES				
Beer	Fish carcasses or bones	(old or fresh)	on banks. estimate	0
	Number of droppings	(020 02 1100:1)	or barney obtained	0
Geese	Number seen on tide fla	ts		0
	Number seen up creek			0
	Number of broods seen			0
Mallards	Number seen on tide fla	ts		0
	Number seen up creek			0
	Number of broods seen			0
Mergansers -	Number of broods sean			0
Bald Eagles-	Number seen along creek			2 at mouth
	Number of nests seen an			0
	Number seen at mouth of			· 1
Tide flats -	Estimate length along b			0
	Estimate depth out from			0
	Eel grass present on wh	at percent of fl	ats	0

Date: 7-25-73 Name: Swanson's Creek Temperature: Weather: Light Rain Number: 101-51-82 Station No. 1 Pool Size/Type 3/3 Riffle Type 14'W Width-Depth 2"D Pool Riffle 3 Frequency Bottom Type (Riffle) 4/5 Color/Turbidity 2/1 Velocity 2 Flow (C.F.S.) 1.5 Temp. (°F.) 62° pН Fry Abundance 4-2 Benthos Sample No. 1 Higher Plant Class 2 Aquatic Veg. 3 Density Ident. (1) Mosses 2 (2) Algae

STREAM INVENIORY FORM

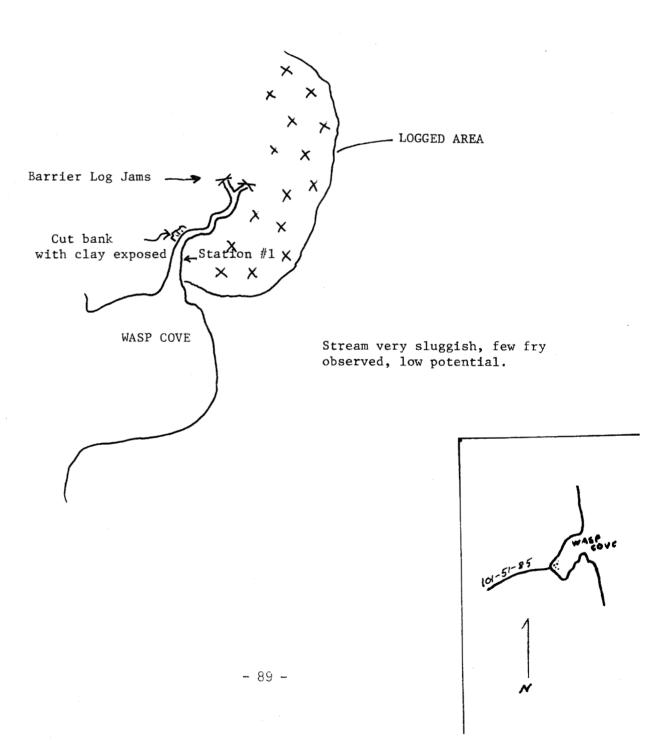
Observers:

Dinneford, Joyner

General Remarks (rehab., land use, barriers, log jams, etc.): Log jam above ITZ. Rehab. possible for coho production.

(

SURVEY DISTANCE 1/16 mile



Name Wasp Cre	eek	Catalog No.	101-51-85	
Latitude N	55° 25' 32"	13/13/31/6		
Longitude W	eek 55° 25' 32" 130° 59' 07"	K No.		
-deodetic Map i	10. Ketchikan B-3	Work Area	Ketchikan	
THE THE PERSON AND THE PROPERTY OF THE PERSON AND T	m canar, 5 mr so firm of		agth 1 mile	
Drainage Area	of Watershed			
Water Supply ?	Type Muskeg, precipitat	ion		·
77 2 0	77			
Trails & Surve	ey Routes Walking alo	ng stream banks of	cay.	
Aerial Survey	Notes Visibility poor	. stream quite sm	nall.	
	od. Five to seven fathom			
Tide Stage Who	en Surveyed <u>First h</u>	alf of ebb.		
FISHERY RESOU	RCES			
	Fisheries <u>Unknown.</u>	No salmonid fry o	bserved for positiv	e identifi-
cation.				
Escapement_	Unknown. No records.	Limited rearing a	nd spawning potenti	al.
Species Com	position <u>Unknown</u>			
Timing Unk				
Schooling a	reas Wasp Cove.			
Shellfish P	otential <u>None</u>			
	ries <u>Cutthroat fry tr</u>	apped. Valuable	as a rearing area,	fishing value
low.	Procent N			
Land Use at	Present None		Annalista vietta para japanjai ya vieta ete ete ete eta annaziorita annazioni annazioni ete eta ete ete ete et	
History of	Land Use N.W. bank of	stream logged w	thin past 10 to 15	years
Pohobilitot	ion Potential Low.	M 1		1 1
nenabilituat	g jam 200 yds. above high	tido	ream (as bedrock) a	nd velocity
	banks. Much clay being			found along
	tom as bedrock.	CGILICA GD DCGIO	14 40 West and De Lile	TAMM BAME
GAME RESOURCES				
Rear	Fish carcasses or bones	(ald or fresh)	nn hanks estimate	0
Dour	Number of droppings	(010 01 11001)	o o o o o o o o o o o o o o o o o o o	6
Geese	Number seen on tide flat	ts .		0
acce.	Number seen up creek	v · ·		0
	Number of broods seen			0
Mallards	Number seen on tide fla	ts ·		0
	Number seen up creek			0
	Number of broods seen			0
	Number of broods seen			0
Batd Fagles-	Number seen along creek			0
	Number of nests seen an			0
	Number seen at mouth of			0
Tide flats -	Estimate length along b			0
	Estimate depth out from Fel grass present on wh		ata	0
	- religiouss ofesent of wo	at Defeth Of Fla	スしい	v

			<u>S'</u>	TREAM I	INVENIC	RY FOR	<u>M</u>		Observ Date:	vers:	Dinne	ford,	Joyner
			Na	me:	Wasp C	reek			Temper	ature	: 64	0	
					101-5				Weath	er: <u>o</u>	vercast		
Station No.	1												
Pool Size/Type	2/2												
Riffle Type Width-Depth	11'W 8"D												
Pool Riffle Frequency	1												
Bottom Type (Riffle)	4/3												
Color/Turbidity	1/1												
Velocity	1												
Flow (C.F.S.)	1.9												
Temp. (°F.)	55°												
pH	5												
Fry Abundance	4-1												
Benthos Sample No.	1		- N										
Higher Plant Class	2												
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	3 2												

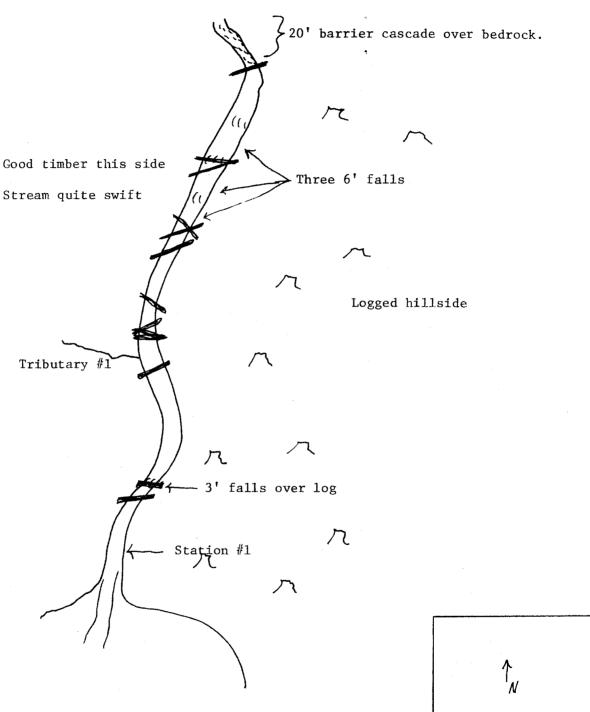
General Remarks (rehab., land use, barriers, log jams, etc.): Northwest shore has been heavily logged.

Observers:

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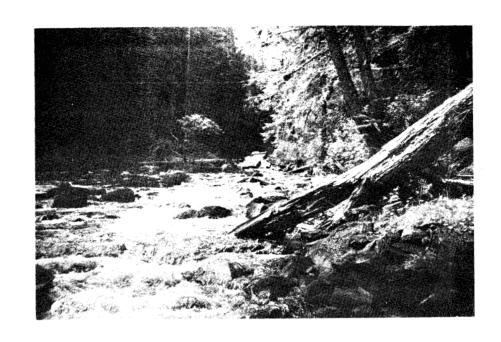
Survey distance = 1/4 mile



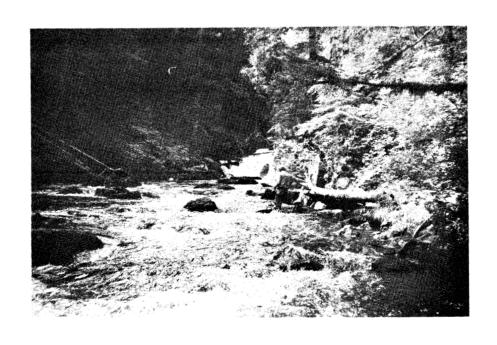
lame	75° 001 001	UR No. 101-51-87	
Laultude N	55° 28' 22" 130° 59' 36"	WR No.	
Condition Mon 1	130 39 36"	K No.	
Teerties Pala C	Ketchikan B-3	Work Area <u>Ketchikan</u> Watershed Length <u>1-3/4 mi</u>	
Dreinsee Anco	anal S.W. Eddystone Rock of Watershed	wasershed heligon 1-3/4 mi	le
haver Suppry .	Type <u>Lake</u>		
Trails & Surve	ey Routes <u>Easy walki</u>	ng along stream course at low flows	
Aerial Survey	Notes No visibility		
Anchorage	Fair anchorage for small a	skiff off mouth.	
Tide Stage Who	en Surveyed 2nd half :	flood	
FISHERY RESOU			
Commercial	Fisheries None obse	erved, no record.	
Escapement	No record. Spawning area	a: 662 m ² (1320'x18'x30% ASA)	
Species Com	position None observed	d.	
Timing Unk	Orm		
		mouth in bay.	
2011.0011.10	Holle, Cheepe Out	money in bay.	
Shellfish P	otential <u>None</u>		
Sport Fishe	ries <u>Dolly Varden</u>	, cutthorat.	
Land Use at	Present None		
History of	Land Use <u>Clearcut 1</u>	ogging on N.W. slope, over ten year	s ago.
Rehabilitat warrant log r	ion Potential Very :	low. Stream not showing much poten	tial to
		ter. Fair amount of slippage obser	ved: manv
trees across			
GAME RESOURCES			•
Rear	Hish carcasses or bones	(old or fresh) on banks, estimate	1 .14
	Number of droppings	(Old Of Tresh) of barks, estimate	1 old 0
Geese	Number seen on tide flat	i s	0
	Number seen up creek		0
	Number of broods seen		0
Mallards		t s	0
	Number seen up creek		0
	Number of broods seen		0
Vergansers -	Number of broods seen		0
	Number seen along creek		0
TYTTA FORTOD	Number of nests seen and		0
25832	Number of Hests seem and Mumber seem at mouth of		
	Estimate length along be		0
ilus Ilava -	Estimate depth out from		0
	Fall made present or whi		

		,		SI	REAM I	NVENTO	RY FOR	M		Date ·	8-2-73	innefo		
				Na	me:					Temper	ature:	58°		
						101-5	L- 87			Weathe	r: Par	58° tly cl	oudy,	warm
Station No.	1													
Pool Size/Type	2/2													
Riffle Type Width-Depth	19'W 5"D													
Pool Riffle Frequency	3													
Bottom Type (Riffle)	4													
Color/Turbidity	1/1													
Velocity	2													
Flow (C.F.S.)	8.1													
Temp. (°F.)	51°													
рН	5													
Fry Abundance	2-1 4-1		-											
Benthos Sample No.	1													
Higher Plant Class	1													
Aquatic Veg. Density Ident. (1) Mosses	1 2	3						·						
(2) Algae	1 1	1			<u> </u>									

General Remarks (rehab., land use, barriers, log jams, etc.):

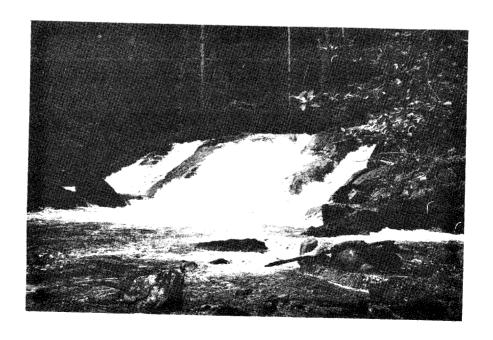


Ella Creek at Station #1, below lower falls. 8-5-73

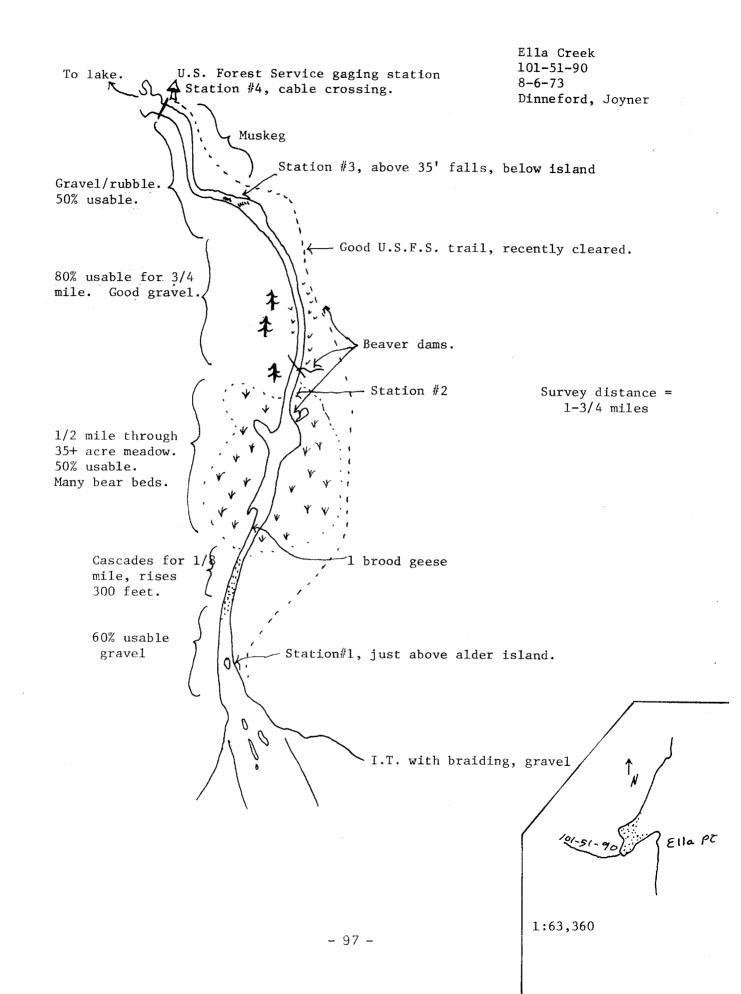




Ella Creek just above lower falls.



Falls on Ella Creek - 1 mile + upstream.



Name Ella C	reek 55° 29' 44" 30° 59' 31" 0. Ketchikan B-3, B-4	Catalog No	101-51-90	
Latitude N	55° 29' 44"	WR No. 72		
Longitude W 1	30° 59' 31"	K No		
Geodetic Map N	O. Ketchikan B-3, B-4	Work Area <u>K</u>	etchikan	
Location Benm (anal, w. of no. Ludyston	e Kade rshed Leng	gth 9 miles	
Drainage Area	of Watershed		<u> </u>	
Water Supply 1	ype Large lake system	, precipitation fe	d.	
	y Routes Good USFS t	rail on north bank	but does not follo	w stream
for entire lengt	h.	11		- 1 1
Aerial Survey	Notes Apparently exce	effent visibility,	water slightly disc	colored.
Anchorage Fai	r anchorage for small cr	caft off creek mout	h, most of cove fa	irly shallow.
				-
	en Surveyed <u>1st half</u>	of flood.		
FISHERY RESOU		1) 1 1	,	
Commercial 1	Fisheries Pink (obs	served), coho and c	hum	
Facanement	1947 - 10 pink, 3 chu	ım: 1949 - 5300 pin	k. 1550 chum	
Spawning area:	1394 m ² (500'x50'x60%	ASA)		•
Species Com	1394 m ² (500'x50'x60% position 75% pink,	25% chum, some coh	0	·
Timing Ear	Ly			
Schooling a	reas <u>Ella Bay, pools</u> :	in upper intertidal	and throughout st	ream.
Shellfish P	otential <u>Small amoun</u> t	t of eel grass in t	he shallow hay.	
Snort Fishe	nies Palla Vandan ani	ha and authbroat	Pools offer appare	nt cood
	ries <u>Dolly Varden, col</u> cially just below lake.			ur good
Land Use at	Present None	·	······································	
	Home			
History of	Land Use Forest	Service trail, gagi	ng facilities at l	ake outlet
	ion Potential Stream	m clear of debris.	Good pink habitat	avallable
above lower c	ascades. le throughout system.			
SOLIS SLAD	re throughout system.			
A				
CLANTER TOTACION TO CTTACT				
GAME RESOURCES				
Bear	Fish carcasses or bones	s (old or fresh) or	n banks, estimate	0
•	Number of droppings			2
Geese	Number seen on tide fla	ets		0
	Number seen up creek			4
	Number of broods seen		ow end of meadow	1
Mallards	Number seen on tide fla	ats		0
	Number seen up creek			0
	Number of broods seen			0
Mergansers -	Number of broods seen			2
Rald Eagles-	Number seen along creek			1
	Number of nests seen a			0
	Number seen at mouth o			2
Tide flats -	Estimate length along			0
	Estimate depth out from			0
	Eel grass present on w	hat percent of fla	ts	0

STREAM INVENTORY FORM Observers: Dinneford, Joyner Date: 8-2-73 & 8-6-73. Ella Creek Name: 60° Temperature: Weather: Sunny - warm Number: 101-51-90 2/2 60'W 18"D 64°

(°F.) рΗ

Flow (C.F.S.)

Velocity

Station No.

Riffle Type

Width-Depth

Pool Riffle Frequency

Bottom Type (Riffle)

Color/Turbidity

Pool Size/Type

Fry Abundance

Benthos Sample No.

Higher Plant Class

Aquatic Veg. Density Ident. (1) Mosses

(2) Algae

General Remarks (rehab., land use, barriers, log jams, etc.):

2

1/1

60'W

48"D

1

4/1

1/1

64°

1-21 3-6 5-19

1

1

0

54'W

24"D

3

4/5

1/1

2

121.2

65°

5

2-2 4-≨-5

1

2

3

2/2

2

4/1

1/1

2

64°

5

1

3

55'W

24"D

4

3

4/5

1/1

5

2

Give consideration to installing a ladder at upper falls - survey of lake system in order.

PEAK ESCAPEMENT RECORD

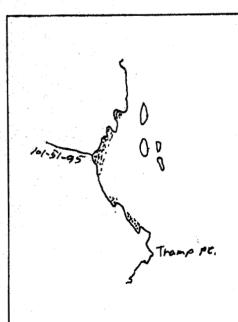
Ella Creek

Ella Cree 101-51-90			han til skipping men men men men men skipping og skipping skip skipping og skipping og skipping skipping og sk	+
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-15-43				Many thousand @ mouth.
10-1-47	10	3		
9-27-49	5,000	1,500		300 dead pink, 50 dead chum.
8-30-62				None observed, visiblity good.
8-8-63				None observed, I.T.
8-22-75				None observed.
	:			,
t t			- 100 -	

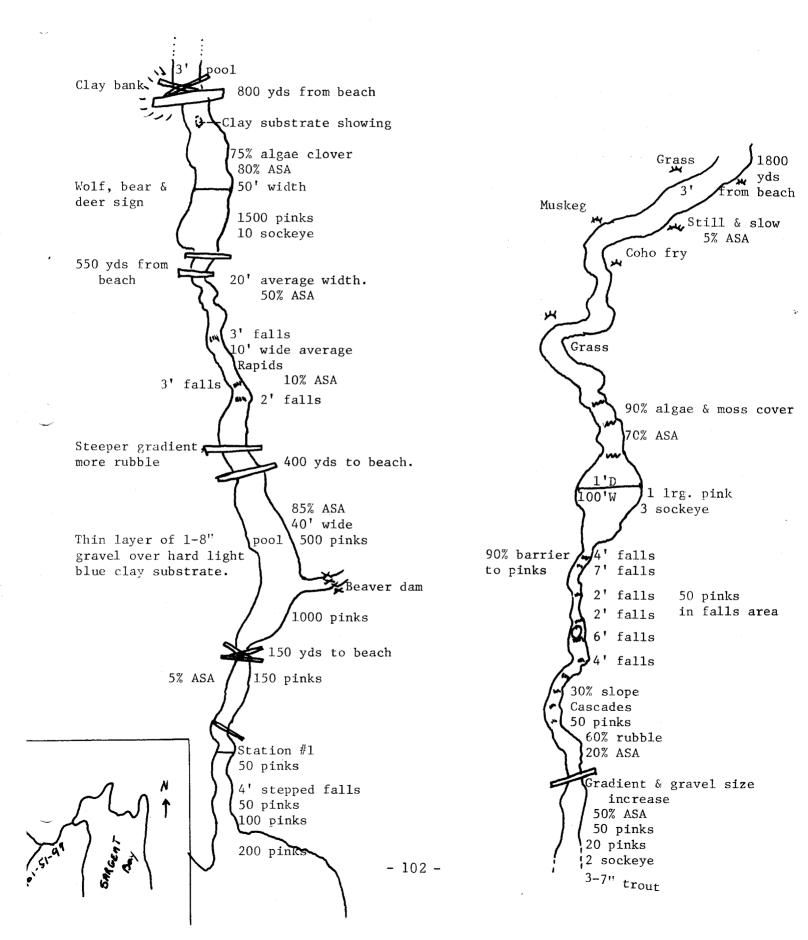
Sergeant Bay 101-51-95 8-19-75 Downey

Small stream approximately 10' wide in the intertidal zone. A little spawning gravel here (4") but not much. Narrows and becomes bedrock at treeline and goes up rather rapidly.

Not much of a stream - no fry observed.



Left Head Sargent Bay 101-51-97 8-19-75 R. Larson



Name Left Hd	Sargent Bay 55 34 32	Catalog No. 101-51-97	
T	1000 FOT //IT	WR No. 73 K No. 73	
Geodetic Man 1	VO. Ketchikan C-3	Work Area <u>Ketchikan</u> Watershed Length <u>5 miles</u>	
Location F. Reb	n Canal Sargent Ray	Watershed Length 5 miles	
Drainage Area	of Watershed 6.3	so miles	
Water Supply	Type Precipitation fe	d, lakes and runoff	
waver bupping.	Trecipitation re	u, lakes and lunoli	
Trails & Surve	ey Routes The stream	is relatively easy to walk at normal	water levels
Aerial Survey	Notes Although the	water is quite shallow and it was no	ot surveyed
by air from g	round obse <mark>rvations it lo</mark>	oks as though it should be difficult	due to dark
Anchorage Off	the mouth in Sargent Ba	y ·	botto
Mide Chees III	en Surveyed 1/2 eb	1	·
		D •	
FISHERY RESOU			
Commercial be some chum.	Fisheries Pink and s	ockeye adults, coho fry observed = co	ould possibly
Escapement_	3700 pink, 15 sockeye,	1975: No previous records of escapeme	ent. Spawn-
ing area:4369	m (900'L x 15'W x 15% AS	A) & (1500'L x 40'W x 75% ASA)	
Species Com	position <u>Percentages</u>	unknown - pinks, sockeyes and coho l	known to
spawn here.	17 A		
Schooling Mid	dle - August, September reas In mouth of cree	1.	
perioorring a	reas in mouth of cree	K	
Shellfish P	otential <u>Unknown</u>		
Sport Fishe	ries <u>Unknown</u>		
Tond Hea at	Present None		
Hand USE at	rresent None		
History of	Land Use Unknown		······································
v			
		alls 2/3 mile above tideline should 1	oe examined
	fish passage.		
		ve a blue clay substrate which is eas	sily disturbed
Bedrock is ev	ident in falls and rapid	s areas.	
GAME RESOURCES			
	773.		
Bear		s (old or fresh) on banks, estimate	0
0	Number of droppings	1 set bear tracks	0
Geese	Number seen on tide fla		0
		Much goose sign in muskeg flats	0
# IF * " " " " " " " " " " " " " " " " " "	Number of broods seen		0
Mallards	Number seen on tide fla	ats	0
	Number seen up creek		0
t/forestern = 5 ···	Number of broods seen		0
Ç. '	Number of broods seen	le ·	
baid bagies-	Number seen along cree		1
	Number of nests seen a		0
	Number seen at mouth o		0
TIUE TIBUS -	Estimate length along		0
	Estimate depth out fro		0
	Eel grass present on w	rao percent or traos	0

STREAM INVENTORY FORM

Name: Sargent Bay Creek

Observers: R.Larson - Downey

Date: 8-19-75

Temperature: 58°

			Nu	mber: $\frac{1}{1}$	01-51-	97		1	Weather: Overcast - driz			zle	
Station No.	1												
Pool Size/Type	3/1				,								
Riffle Type Width-Depth	18'W 1.5'D												
Pool Riffle Frequency	3												
Bottom Type (Riffle)	4												
Color/Turbidity	1/1						 						
Velocity	2												
Flow (C.F.S.)	39.3												
Flow (C.F.S.) 10 4 Temp. (°F.)	57°												
pΗ	4.5												
Fry Abundance	0*												
Benthos Sample No.													
Higher Plant Class	22												
Aquatic Veg. Density Ident. (1) Mosses	2**					·					·		
(2) Algae	2		 				 						

General Remarks (rehab., land use, barriers, log jams, etc.):

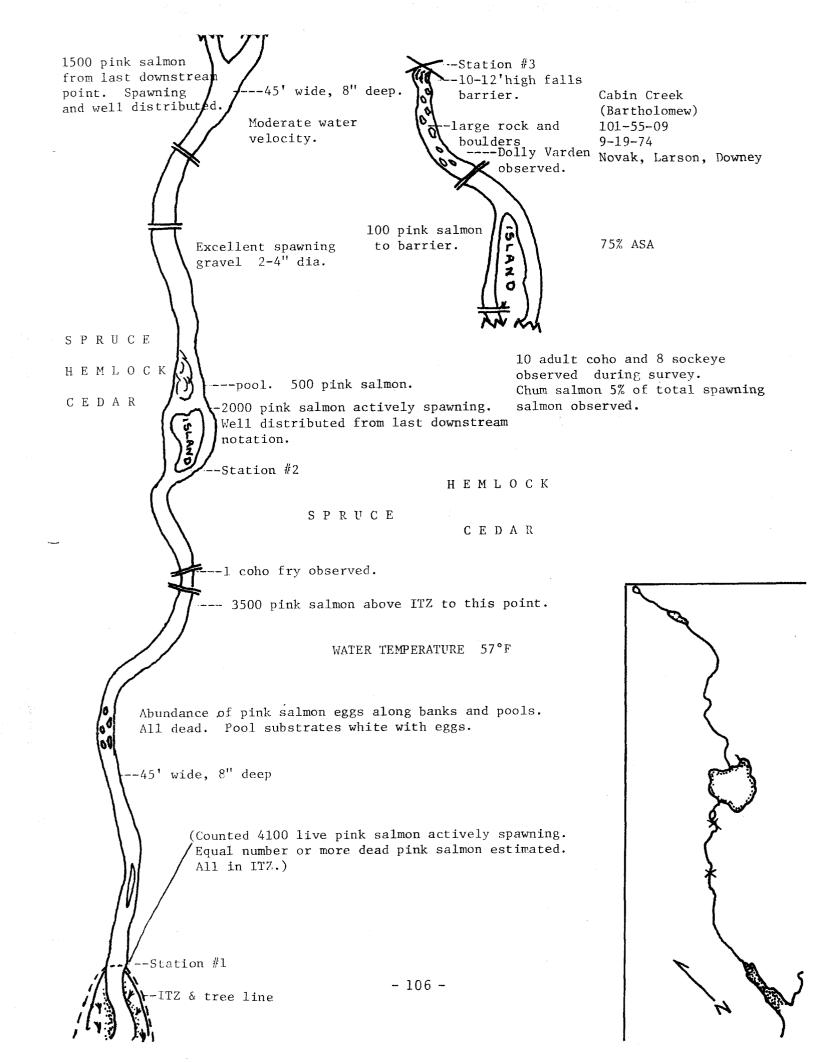
^{* =} Several coho fry seen in all pools above station.

^{** =} Vegetation becomes dense in several areas upstream from station.

PEAK ESCAPEMENT RECORD

Sargent Bay 101-51-97

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
3-19-75	2,800		10 red	200 @ mouth, 500 @ I.T.
				•
	·			
•				
			- 105 -	



Mara Cabin Cr	eek (Bartholomew)	Catalog No.	101-55-09	
	55° 18' 40''			
Longitude W	130° 47'	K No.		The state of the s
Georgetic Man N	130° 47' O Ketchikan B-3 ton Bay - Behm Cana1	Work Area Kei	tchikan	
Togation c	ton Pow Pohm Canal	Watershed Len	eth 1 / miles acce	acc. 5 5 mi T
Drainage Area	of Watershed 9.9 sq.	miles (polar play	nimeter)	200 e 7 e 7 III . 1
	Type Lake supply suppl			
nassa bappag	Lake supply supp.	emeticed by precip	i cat i oii o	The second secon
Trails & Surve	ey Routes <u>At normal v</u>	vater flows, the e	asiest route is by w	walking
in the stream.	Cut trails are completely	revegetated.		
Adrial Survey	Notes Best approach for	com lake to intert	idal. Upper end is	closed
canopy; lower ar	ea open effect with good	survey criteria.	and the second s	and the same of th
	ellent anchorage for lar		cove. Rock bottom,	15 fathoms,
available. Limi	ted swing area for large	vessel.		en marie de la companione
Tide Stage Whe	en Surveyed 2nd hal:	f of flood - 1st h	alf of ebb.	that hade agreed to the property affective antiquence shade a state of papers.
FUSHERY RESOUR	RCES Fisheries <u>Pink, chu</u>	n, coho, red salm	onids.	erikan (de jar de 1800) Khishinin Mikanayanan
Faranamant	D 1 107/ 11 20	0 1 - (EO - la	9 and 10 acho	II i ah
	<u>Peak esc 1974 - 11,30</u> 000 (1942),Spawn.area: 15	1 pink, 600 cnum,	o sockeye, to cono.	<u> </u>
historic /5.0	nosition Pil1	451m (70% ASA, 45	0/% ohem 5% ooho	C mod 1%
Siedles com	position Pink salmon	rom 1974 survey -	94%, CHUIII 3%, COHO	a rea in.
====ing Tate	e - September and October			antina ny intrina ny intrina mpina mpina mpina antina ny intrina ny intrina ny intrina ny intrina ny intrina n
Sahooling a	reas <u>Major intertida</u>	1 schooling occurs	in outer cove. at	unner
	ssed over island. School			
Tiz near gras	otential Dungeness an	d emall king crah	were collected in t	he cove
	tance pots.		Well collected in c	
Short Fisher	ries <u>Cutthroat are fou</u>	nd in the lake abo	ve barrier. Four s	pecies
and Use at	run cutthroat and Dolly V Present <u>Nome</u>			
				and the state of t
History of	Land Use <mark>Unknown - ot</mark>	her than 1930-40's	seasonal residency	by stream
protection pe	ersonnel.			
Rehabilitat	ion Potential Possi	ble steep pass ins	tallation at falls	barrier
with subseque	ent coho or red salmon s	tockings.		
Soils Stable	e, but susceptable to hig	h bank erosion if	logged. High water	flow
deposits of	silt found along bars in	lower end.		and the second s
GAPE RESOURCES				
*** * O. 10	Think compagned on homes	(ald on foodb) or	homba antimoto	20
The street of th	Fish carcasses or bones	(ord or restr) or	Danks, estimate	3
7	Number of droppings	to an		0
35555	Number seen on tide fla	CS .		0
	Number seen up creek		-	0
	Number of brocks seen	4	-	25
Hallards	Number seen on tide fla	US	-	
	Number seen up creek		-	0
	Number of broods seen			00
•	Mumber of broods scen			40
Falli Hagles-	Mumber soon allows occub			4
	Number of nests seen an			0
	Number seen at mouth of			0
Tide flats -	Estimate length along b			1/4 mile
	Estimate depth cut from			50 feet
	Eel grass present on wh	at percent of flai	US .	1-2%

Observers: Novak, Larson, Downey

Date: 9-19-74

54° Weather: Overcast - Light rain.

Temperature:

Name: Cabin Creek

Number: 101-55-09

Station No. 1 2 3 Pool Size/Type 3/1 3/1 3/1 Riffle Type 45'W 45'W 45'W Width-Depth 10"D 8"D 8"D Pool Riffle Frequency 3 3 3 Bottom Type (Riffle) 4/5 4/3 Color/Turbidity 1/1 1/11/1Velocity 2 2 Flow (C.F.S.) Temp. (°F.) 57° 57° 57° рΗ 5 5 5 Fry Abundance 1-1 2-1 Benthos Sample No. Higher Plant Class 1 2 1 Aquatic Veg. 2 2 2

General Remarks (rehab., land use, barriers, log jams, etc.):

2

2

2/1

The 12' barrier may be possible to steep pass with the idea of developing red salmon runs into the lake system above Some log jam removal may be necessary in the fur re in the area of the upper island.

Density Ident. (1) Mosses (2) Algae

Cabin Creek 101-55-09

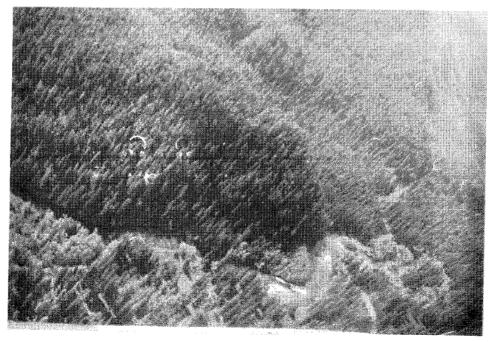
				
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-14-38	4,000	1,000		6000 off mouth.
9-13-39	3,000			Good showing in bay.
9-29-40	12,000			Good. 2000 chum 9-13.
9-27-41	75,000			Excellent.
9-21-42	50,000	500	·	Excellent. 10,000 chum 9-12. Stream over seeded.
9-18-43	25,000	4,000		Good. 10,000 off mouth.
9-17-45	30,000	10,000		Excellent. 30,000 off mouth.
9-28-47	10,000	500	5 red	1500 chum 9-19. Excellent.
9-22-48	15,800	1,325		
9-27-49	11,300	362	26 red	1354 dead pink, 157 dead chum.
9-20-50	3,055	670		
9-13-51	11,500	490	33 red. coho present.	Few dead chum.
9-15-52	1,800	175	2 coho, 7 red	250 dead pink, 90 dead chum;
7-18-53	2,000		·	
9-19-54	14,000	1,000	4 red.	1-2000 at mouth.
9-25-55	25,000			Some chum. Many dead pink.
9-24-56	15,000			Few dead pink.
9-7-57	7,200	1,400		300 dead pink.
8-9-60				Vis. poor. 200 pinks at mouth.
9-8-61				Many fish present, vis. poor.
9-4-63	19,000	few	few coho	Vis. fair to poor; stream low, raising.
9-1-64	12,000	few		Vis. good to excellent. 150 I.T.
8-18-65				800 - 1000 @ mouth. Vis. good. 5 balls above Cabin Creek. 4-5000 total.
			- 109 -	

Cabin Creek

101-55-09	,			
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-7-66	8,500			1500 @ mouth. Fish spread out, spawning. Good visibility.
9-11-67	1,900			700 I.T. Vis. fair to poor.
8-27-68	8,500			300 @ mouth. Good vis., fish largely schooled. Few carcasses
8-20-69	10,000			Vis. good to poor. 100 @ mouth.
8-25-70				2000 @ I.T., 500 @ mouth. Vis. poor in stream.
8-28-71	22,000			Vis. fair. 3 balls @ mouth, 5000 I.T.
8-2-72	2,000			Vis. good.
8-21-73	6,000			6000 @ mouth & I.T., Vis. good.
9-6-74	6,500			2500 pink @ mouth. Some carcasses. Vis. good.
8-20-75				20,000+in stream & off mouth. Needs helicopter or foot survey.
			·	
			- 110 -	

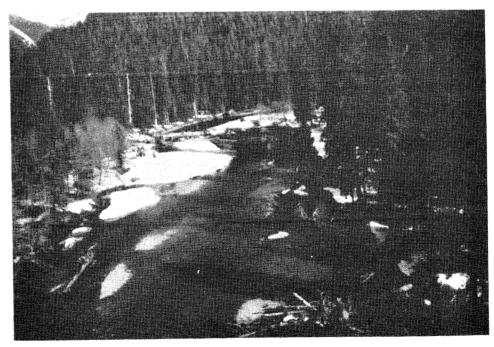


\$101-55-20 & 40 Wilson/Blossom Rivers confluence. Blossom enters from left, center.



101-55-40, midsection Blossom River, 6-5-76.

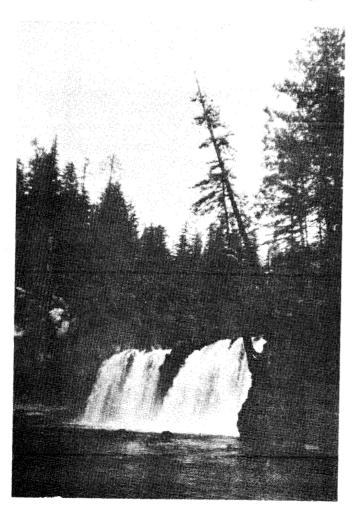




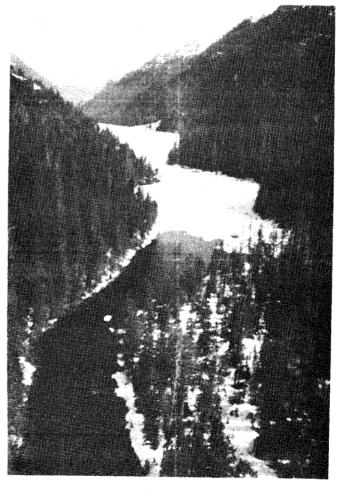
Wilson River above ITZ



WILSON RIVER



WILSON RIVER
40-50' falls below lake.



Lower Wilson Lake F.S. cabin on right



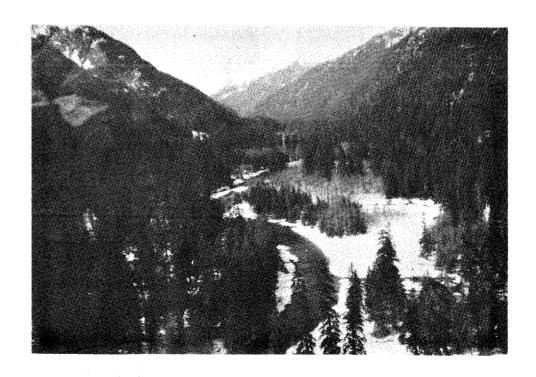
WILSON LAKE



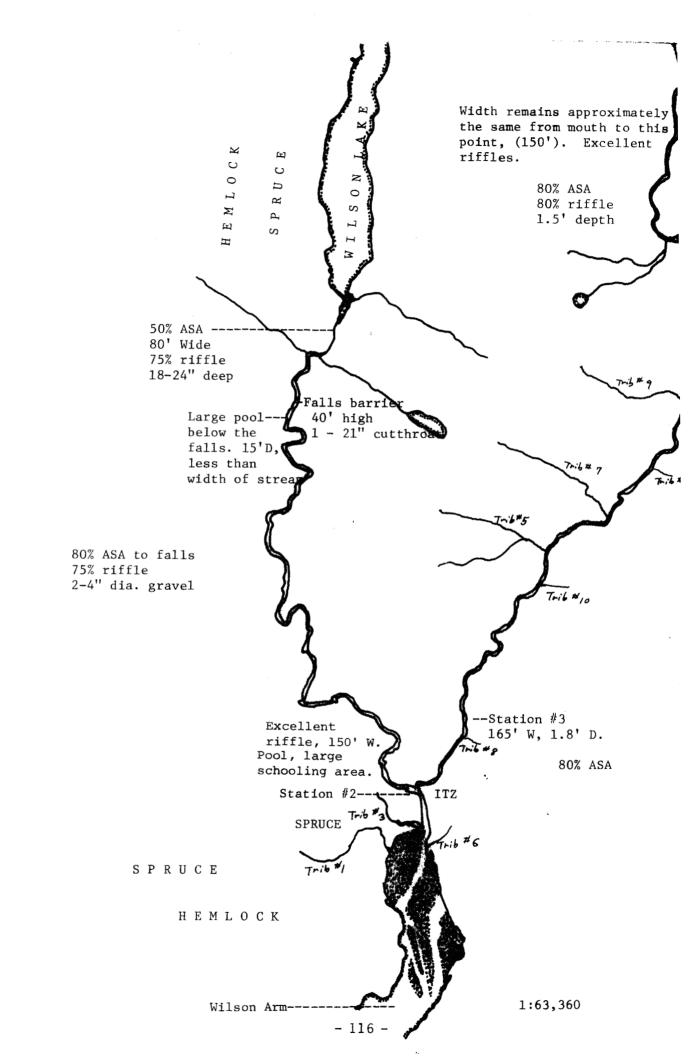
Head creek on WILSON LAKE

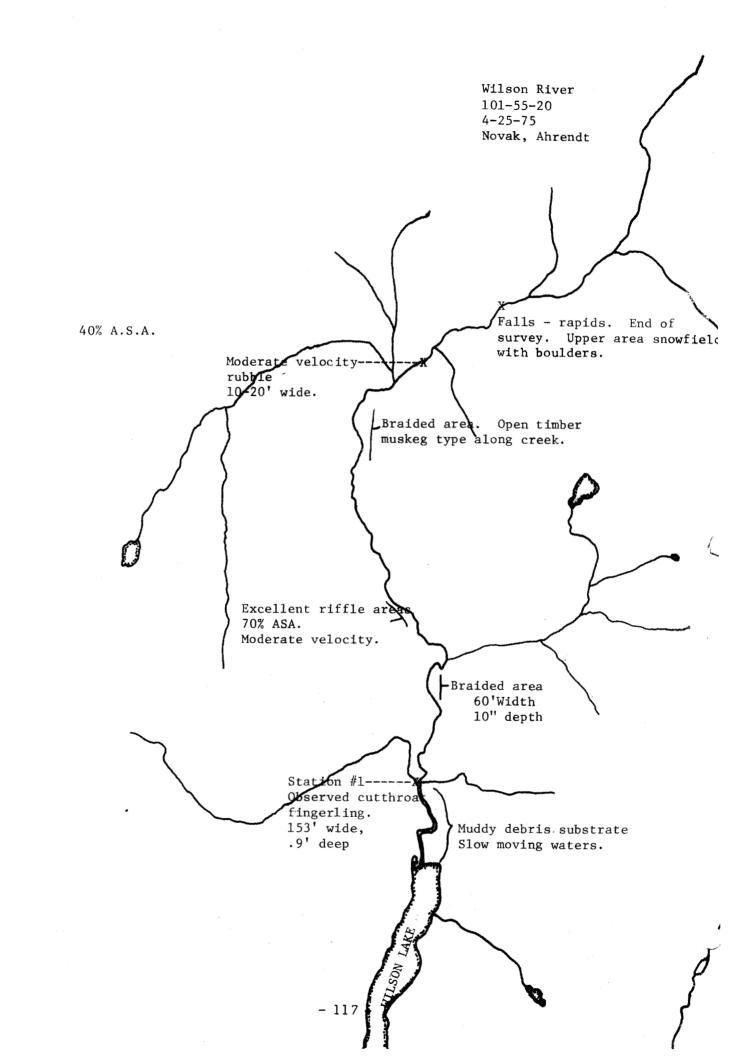


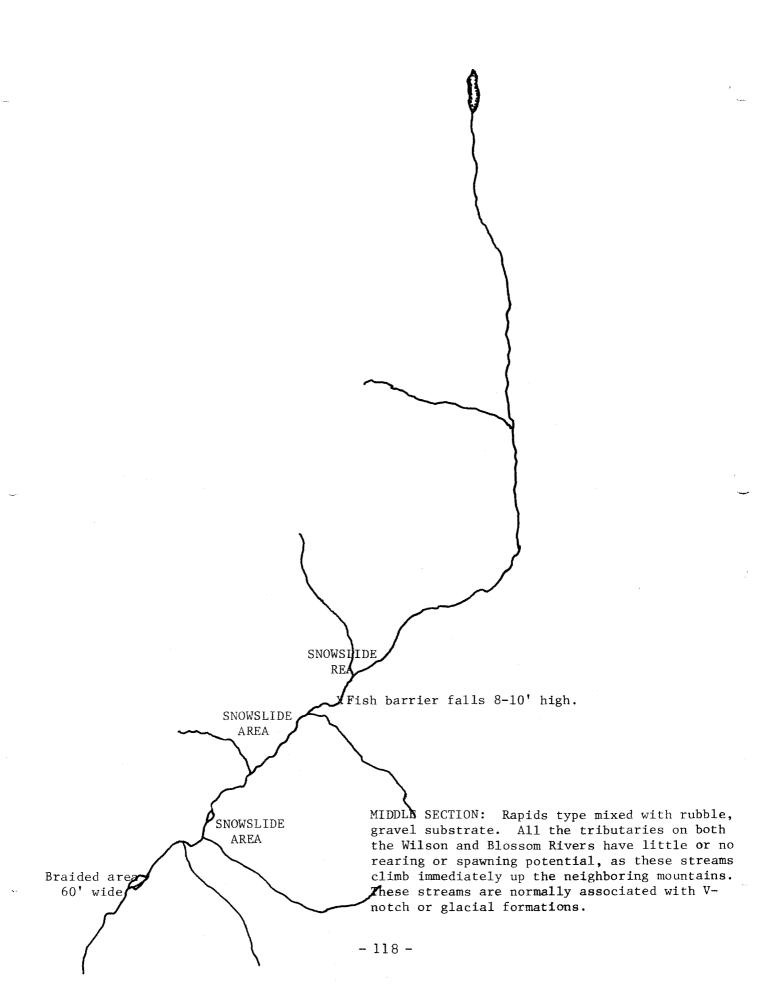
WILSON RIVER Above lake

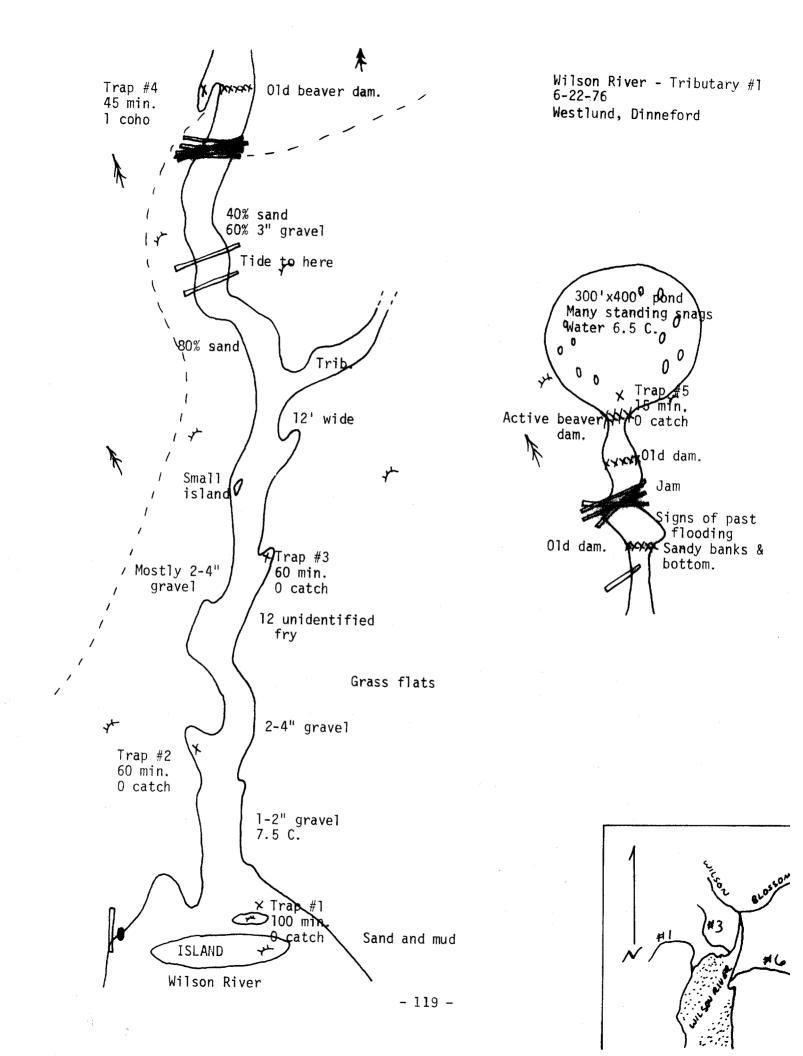


WILSON RIVER Above lake









STREAM #3 June 23, 1976

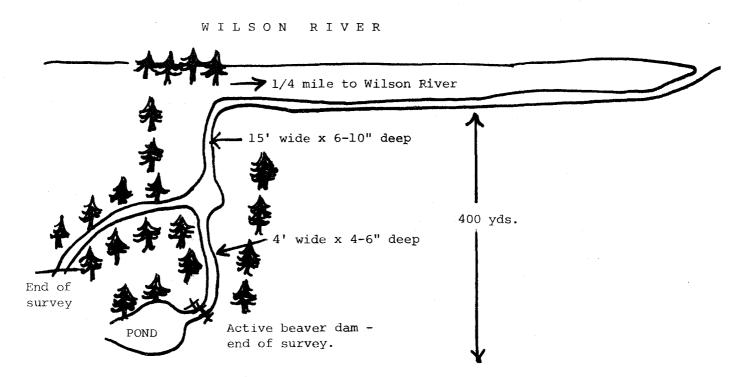
Surveyers: P.Larson, G.Downey, B.Woods

This stream is located on the Western side of the Wilson River about 1/2 mile below it's confluence with the Blossom River.

The stream is slow moving; however, it is believed that flow is maintained throughout the summer season. The bottom consists of a mixture of sand and softer silty material. Some gravel is present, but it is not well suited for salmon spawning. Extensive grass flats and a variety of flowering plant species are present on both sides of the stream.

Numerous fry were observed throughout the length of the survey. A considerable amount of overhanging grass banks are present. This appears to be a good rearing stream. Collected about 10 fry, at different locations along the stream, and all were coho. Fry trapping was unsuccessful; however, no great effort was put into it because of numerous fry observed and ample samples were collected by other means.

An active beaver dam was located on the left fork of this small stream. The dam is about 20' across. No beavers were seen; but, fresh cuttings were noted in the dam structure. The stream survey ended here. The survey was stopped on the right fork after some 200 yds as the flow diminished. The section of the stream that parallels the Wilson River consists of a series of deeper holes and slow moving water. This stream might better be termed a slough.



Blossom River
Log jam to Wilson River
P.Larson, B.Wood, G.Downey
6-22-76

Log jam area 1 1/8 mile upstream from junction. Impassable to boats.

Fair amount of beaver activity along the stream.

Deep slow moving water.

Stream banks are generally flat, grassy and stable. Mostly spruce and good timber in this area.

This portion of the Blossom River generally contains much sand with only a little gravel and some area of larger boulders, spawning potential here is limited.

Saw 4 adult mergansers and 1 female with 3 chicks.

Riffle areas - some gravel but large amounts of sand limited spawning area.

125' wide - water level high.

Fresh beaver cuttings

"Small" tributary 10 coho fry observed.

Alder covered islands.

_Stream #8 7/8 mile above

Blossom - Wilson

junction.

Sandy banks - beaver trails and some cuttings

and scent posts.

Excellent rearing area within the stream.

-POOT

Pool

Pool

Shallower area with silt, sand, some gravel and larger (12-20") boulders - limited spawning area.

WILSON RIVER

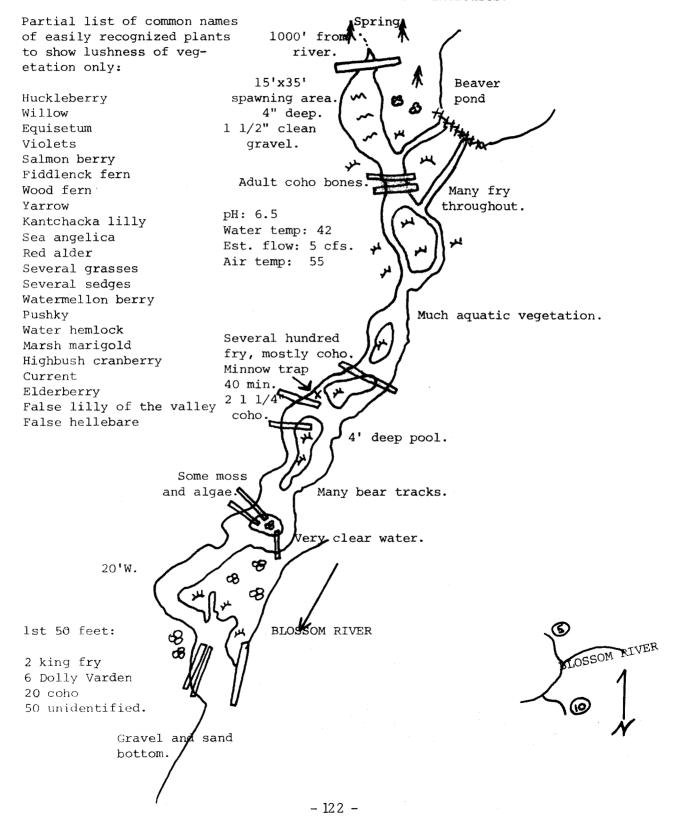
- 121 -

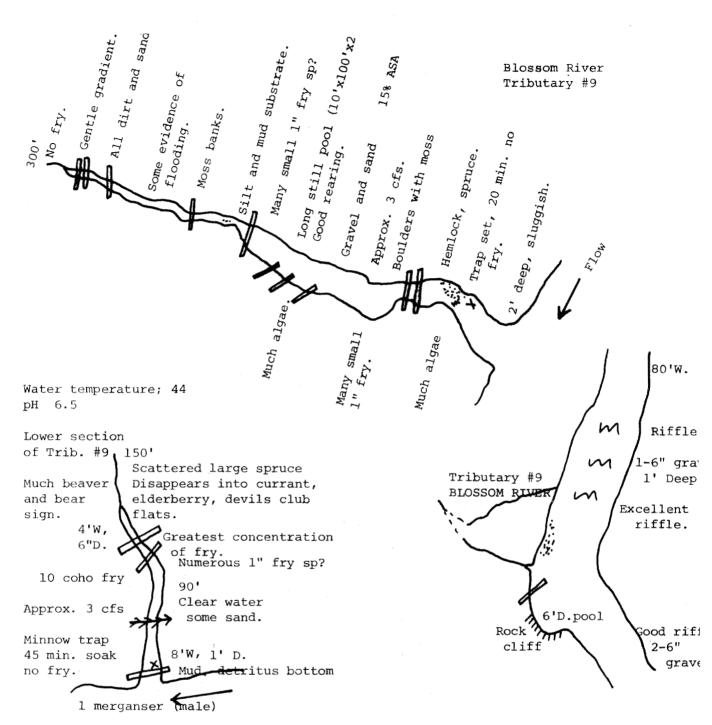
Deep

One of the most productive small streams examined in this system. Spawning area at head should be given complete protection.

Blossom River Tributary #5 6-23-76 R.Larson, Jackinsky

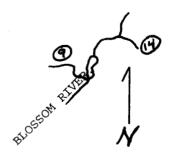
Gradient increases.





Observers: R.Larson, T. Jackinsky. RECOMMENDATIONS:

These small streams provide little or no spawning but have many rearing fry for their size. Streams are not utilized after the gradient begins to increase. All activity should be restricted to the top of the slopes and provisions made to minimize siltation. 6-23-76



Blossom River Smeaton Bay Stream #8 6-22-76

Larson, Wood, Downey

Stream comes back to one channel here but has steepened considerably and is the end of any fish utilization.

Braided area and the gradient starts to steepen here. wide

MINNOW TRAP DATA:

Upper trap put in for 15 minutes and caught 0 fry. Middle trap put in for 35 minutes and caught 4 coho fry. Lower trap put in for 40 minutes and caught 0 fry.

> 1-3" gravel throughout with a little clean looking sand mixed in. Looks liek good spawning gravel.

4' wide

Spruce predominates with some alder.

Not much pool and rearing area - probably average for this size stream, pools 2' deep.

Minnow trap

No fry seen above here.

Minnow trap.

-6' wide

Banks are flat and stable, gray current bushes predominates the smaller vegetation.

← Bluff which sits back from the stream 50 yds. This is a steep area with some slumpage - unstable.

-8' wide.

Good gravel and stream flow starts here. 75 yds. above Blossom River.

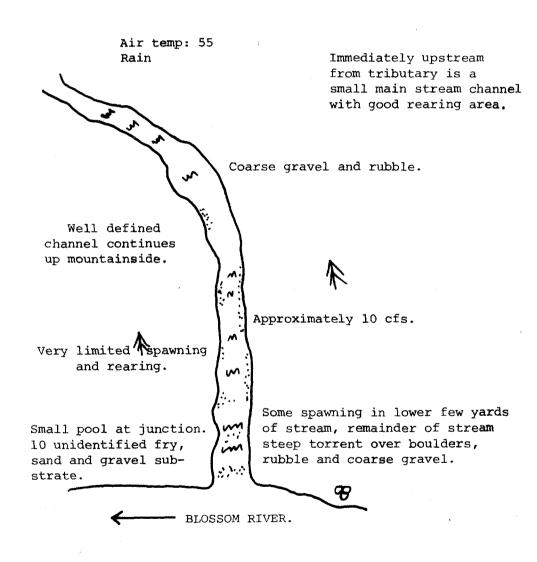
Slough and beaver dam area - slow moving water - mos coho fry observed were here.

Minnow trap

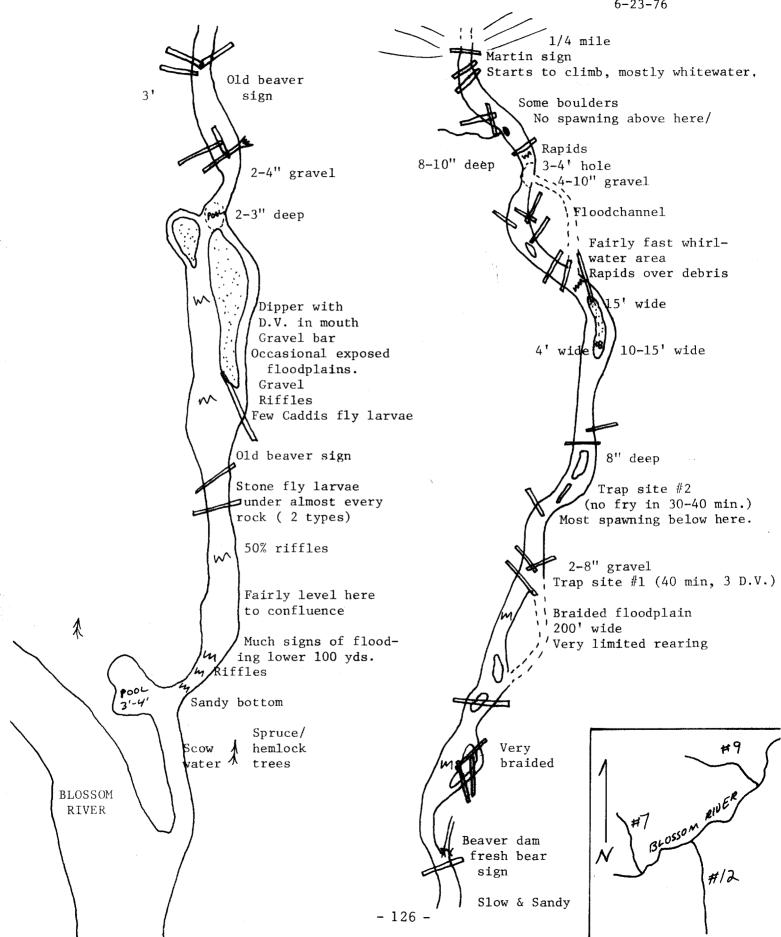
Grassy lilly pad banks.

Blossom River Tributary #7 6-23-76 R.Larson, Jackinsky

This is a torrential stream with clear water and a very steep gradient. In reality there is no spawning or rearing except at the junction with the Blossom. Stream looks as though it is subject to extreme water levels.



Blossom River Tributary #12 D. Siedelman 6-23-76



Name: Wilson	River	Catalog No.: 101-55-20	
Latitude: 55	23' 42"	WR NO.: 29	
Longitude: 130	26' 18"	K NO.: K34	
Geodetic Map No.	: Ketchikan C-2	WOLK Alea; Ketchikan	
Location: Smea	ton Bay - Wilson Arm.	watersned Length: 26 miles	
the state of the s	and the second s	Dialnage Area: 117.8 sq. miles	S
Water Supply Typ	oe: Lake system (384 acre	Wilson Lake) fed by glaciers a	nd several
snowfields i	n the upper drainage.		
Trails & Survey	Routes: Survey by skiff	up to junction with Blossom River	c, on foot
	oint.		
		s - colorless water, light colored	d substrate
and open, wid			
Anchorage: Sma	II boat may enter Wilson R	giver cautiously at high tide and	anchor in dee
		nchor fair off flats - east side.	
ride Stage when	Surveyed: Second half	of flood.	The state of the s
FISHERY RESOURCE	es ·	•	
		major species. Other species - ch	um coho
king, and red			
		188,000 m ² (23,000'Lx110'Wx80%)	ASA).ITZ:
$58,000 \text{ m}^2 (500)$	0'Lx250'Wx50% ASA). Hi his	toric: 177,200 pink (1970), 50,000	0 chum (1948)
11000 coho (19	49), 138 king (1953), 25 r	ed (1953), Ave.pink esc. 1961-74 =	= 80,000.
Timing: Earl	y - July, August. Peak oc	curs last week of August.	
		le below confluence with Blossom	R., pool be-
	end Creek, schooling off f		
Shellfish Pote	ential: <u>Dungeness, tanner</u>	and (probably) king crab. shrimp	in Wilson
	b production in lower flat		
		Dolly Varden, king, pink, chum, re	ed, coho and
	ats during salmon runs. (
		meral exploration. The lake has to	<u>wo USFS cabi</u> n
	he head and at the outlet.	the lower reaches of the Wilson R	· · · · · · · · · · · · · · · · · · ·
in the 1920-30	's. Mining interests, rec	reational use high	iver occurred
		ole. The stream above Wilson Lake	may have
potential for	rearing coho, king or trou	it.	may nave
Soils: Relat	ively stable in lower area	due to wide watershed characteris	stics. Valle
		sociated slides and erosion.	
GAME RESOURCES			
Bear		(old or fresh) on banks, estimate	
•	Nunkaxxnaxxaxnaxxxxxxxxxxxxxxxxxxxxxxxxxx		2
Geese	Number seen on tide flats	5	65
•	Number seen up creek		14
	Number of broods seen		
Mallards	Number seen on tide flats	S	10
	Number seen up creek	1	
	Number of broods seen	,	
Mergansers -	Number of broods seen		36
Bald Eagles-	Number seen along creek		2
	Number of nests seen and	location	
Seals	Number seen at mouth	•	6
Tide flats -	Estimate length along be		2 100 yds
	Estimate depth out from 1		2%
	Eel grass present on wha	c percent of flats	48

Name: Blosso	om River 55 23' 43" 30 26' 18"	Catalog No.: 101-55-40	
Latitude:	55 23' 43"	WR No.:	
Longitude: 1.	30 26' 18"	K No.: K34-1	
	: Ketchikan C-2	Work Area: Ketchikan	
	n Bay, Wilson Arm, large	Watershed Length: 23 miles	
	son River.		
water Supply Typ	e: Snowfields, glaciers	, small lakes, runoff.	
		light skiff and outboard for about 1	nine miles,
	t, no reported trails.		
		light plane from Keta River pass up	
		f valley - caution advised.	
		f Wilson River falts, east side. Si	
		or in pool below confluence with Wi	lson River.
Tide Stage when	Surveyed: Second half o	f flood.	
FISHERY RESOURCE			
		ng, coho - much potnetial for both :	rearing and
non-rearing spec			
Escapement:	Hi historic: 30,000 pink	(7-29-51) 4500 chum (10-5-52) 1000	coho (9-26-49)
		$0 \text{ m}^2 \text{ (120'Wx47520'Lx65% ASA) Ave. Es}$	
Species Compos	sition: Pink, chum, king,	coho, trout	19,300
Timing: Ear	ly - July, August. Peak	occurs last week of August.	
Schooling Area	as: Throughout first 1	.3 miles of deep, slow current.	
		now and (Duchahlas) bing such shains	
	b production lower Wilson	ner and (Probably)king crab, shrimp	in wilson
	er flats during salmon ru	t, Dolly Varden, king, pink, chum,	cono, nalibut
Land Use at Pi	resent: Recreation and	mineral exploration. Important wa	terfowl feed-
ing and restin	g area.		
History of La	nd Use: Mineral explora	tion, some handlogging in area.	
Rehabilitatio	n Potential: None feasib	le.	
Coile. Rela	tively stable in broad lo	wer reaches, narrow valley and stee	ner gradient
	d slides and erosion furt		720000000000000000000000000000000000000
The second secon	· ·		
GAME RESOURCES			
Bear		(old or fresh) on banks, estimate	
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		2
Geese	Number seen on tide flat	LS Control of the con	65
	Number seen up creek		14
	Number of broods seen		
Mallards	Number seen on tide flat	S	10
	Number seen up creek		
	Number of broods seen		20
Mergansers -	Number of broods seen		36
Bald Eagles-	Number seen along creek	1 1 1 1 1	4
_	Number of nests seen and	location	6
Seals	Number seen at mouth		6
Tide flats -	Estimate length along be		100 yds.
	Estimate depth out from	beach	2%
	Eel grass present on who	at percent of flats .	۷۵

STREAM INVENIONY FORM

Name: Wilson - Blossom Rivers

Observers: Novak, Ahren

Date: 4-25-75

47°

Temperature: 47° Weather: Clear - calm

				 Nt	mber:	101-55	5-20	 	Weathe	r: Cle	ar – ca	alm	
Station No.	1	2	3*										
Pool Size/Type	3/1	3/1	2/1										
Riffle Type Width-Depth	153'W .9'D	253'W 1.89'I	165'W 1.82'D										
Pool Riffle Frequency	3	3	3						,				
Bottom Type (Riffle)	4/5	4	4										
Color/Turbidity	2/1	1/1	2/1										
Velocity	2	2	2										
Flow (C.F.S.)	165	474	355										
Flow (C.F.S.) Temp. (°F.)	38°	40°	40°										
pН	5	5	5										
Fry Abundance	6-1	6-1	_										
Benthos Sample No.													
Higher Plant Class	1.	1	1				-		·				
Aquatic Veg. Density Ident.	3	3	3										
(1) Mosses (2) Algae	2	1	2/1										

Wilson River

101-55-20				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-14-38		5,000		Few pink. 1000 off mouth.
9-13-39	1,000			Poor. Majority of fish females.
9-13-40	6,000	2,000		Poor. 2000 off mouth.
9-18-43	30,000	5,000		Fair.
8-4-48	150,000	50,000	100 king	Excellent.
9-1-49	120,000	12,000		60,000 pink, 6,000 chum, 1000 kir above marker.
8-18-50	100,000	7,000	Some coho, 10 king	Some dead chum.
7-30-51	79,600	150	60 kings	Very few fish in Smeaton Bay. 4000 above marker.
8-31-51	29,000	300	100 coho, 8 red, 25 kings	Few dead chum. Schools @ mouth.
8-8-52	72,000	400	50 kings	Few dead pink. Fish well distributed through left fork.
8-25-53	40,000			Poor. Few 1000 above forks.
8-23-54	26,500			Few chum. 6000 above marker.
9-15-55	20,000			Several 1000 at mouth.
9-3-56	100,000	5,000		
8-7-57	9,100	1,500	14 kings	
8-9-60	21,000	some		
8-9-61	10,800	some		Fresh fish moving up.
B-25-62	56,000			Good visibility. Several 100 dea
B-8-63	40,000	10,000		Excellent visibility. Chums spawning. Pinks mostly schooled in pools. 4000 @ I.T.
9-1-64	65,000	10,000		Visibility excellent. Fish most ly spawning. 50 I.T.
8-26-65	36,000	1,500	36 kings	225 intertidally.
8-13-66	93,000	2,500	few kings	500 I.T. spawning heavily - many "C" dead. Several small schools

Wilson River

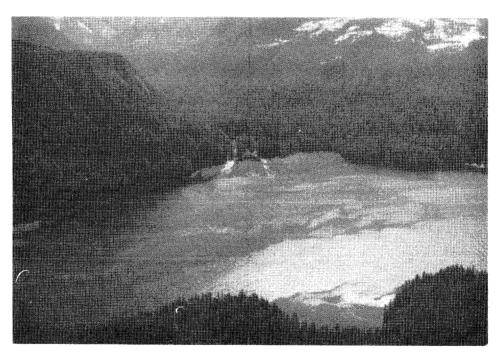
8-20-69 12,000 - mixed 10 kings Streams very high, pinks showing in pools but too dark to estimate the streams of the pools but too dark to estimate the poo	Wilson 101-55-		The contract of the last the second s		
8-27-68 58,000 2,000 few kings Visibility excellent. Heavy spawning activity. Many carca es I.T. 8-20-69 12,000 - mixed 10 kings Streams very high, pinks showing pools but too dark to estimal visibility good. Some shadows Spread out and spawning. Visibility good, well distributed Visibility good. Few 1000 dear Visibility good. 8-21-73 128,000 Visibility good. 8-27-74 152,000 1000 dead carcasses. Visibility excellent. Visibility good.	DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-27-68 58,000 2,000 few kings Visibility excellent. Heavy spawning activity. Many carca es I.7. 8-20-69 12,000 mixed 10 kings Streams very high, pinks showing pools but too dark to estimate visibility good. Some shadows Spread out and spawning. Visibility good, well distributed Visibility good. Few 1000 dead Visibility good. 8-22-71 174,000 good Visibility good. Few 1000 dead Visibility good. 8-27-74 152,000 1000 dead carcasses. Visibility good. 8-20-75 170,000	8-21-67	8,100	few		Poor visibility
8-20-69 12,000 - mixed 10 kings Streams very high, pinks showing nools but too dark to estimate the first pools but too	8-27-68			fow kings	_
8-6-70 177,200 8-22-71 174,000 8-22-71 174,000 8-14-72 107,400 good 8-21-73 128,000 8-27-74 152,000 8-20-75 170,000 Spread out and spawning. Visibility good. Few 1000 dead visibility good. 1000 dead carcasses. Visibiliexcellent. Visibility good.		30,000	2,000	rew kings	spawning activity. Many carcass
8-22-71 174,000 Spread out and spawning. Visibility good, well distributed Visibility good. Few 1000 dead Visibility good. 8-21-73 128,000 Second Visibility good. 8-27-74 152,000 Second Visibility good. 8-20-75 170,000 Second Visibility good. 8-20-75 170,000 Second Visibility good.	8-20-69	12,000 -	mixed.	10 kings	Streams very high, pinks showing in pools but too dark to estimat
8-14-72 107,400 good Visibility good. Few 1000 dead visibility good. 8-21-73 128,000 Visibility good. 8-27-74 152,000 1000 dead carcasses. Visibility excellent. 8-20-75 170,000 Visibility good.	8-6-70	177,200			Visibility good. Some shadows.
8-21-73 128,000 Visibility good. 1000 dead carcasses. Visibility excellent. Visibility good. Visibility good. 170,000 Visibility good. 1000 dead carcasses. Visibility excellent. Visibility good. Visibil	8-22-71	174,000			Spread out and spawning. Vis- ibility good, well distributed.
8-27-74 152,000 1000 dead carcasses. Visibilities excellent. Visibility good.	8-14-72	107,400	good		Visibility good. Few 1000 dead.
8-20-75 170,000 Excellent. Visibility good.	8-21-73	128,000			Visibility good.
8-20-75 170,000 Visibility good.	8-27-74	152,000			1000 dead carcasses. Visibility excellent.
- 131 -	8-20-75	170,000			I .
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Blossom River

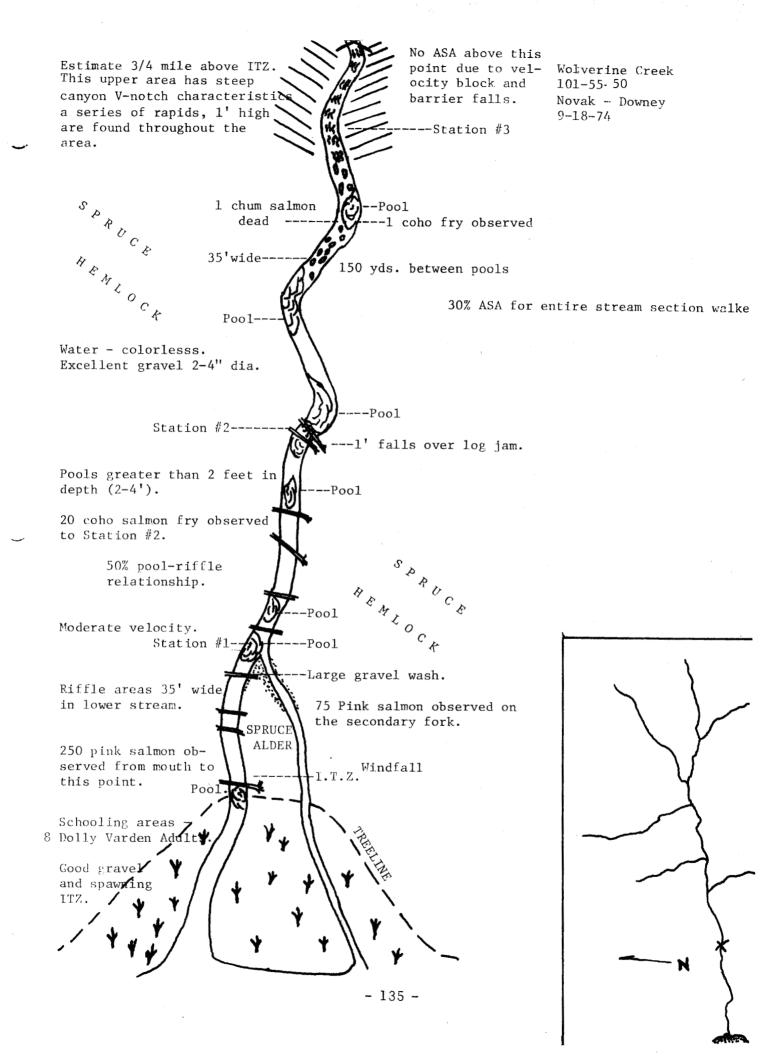
101-55-40				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-6-49	15,500	1		
7-30-50	6,000			
7-29-51	30,000	·		
7-29-52	6,900	50		
9-30-53	450	70	2 kings	
8-12-54	500			
7-31-55	٠			·
8-13-56	3,000		500 kings	
8-19-57	300		100 kings	
8-9-60	the	only survey		Visibility poor. Lots of silt.
7-28-61		20		the only survey. Spread out.
7-18-62	4,100			Visibility excellent.
8-21-63	800	few	75 kings	
8-5-64	6,000	1,000		Good visibility, chums spawning, some dead.
8-18-65	1,000	500	few kings	Good visibility, chums spawning.
8-13-66	26,000	1,000	150 kings	All spawning. Fish entire length
8-14-67	780-m	ixed		Visibility excellent except some shaddow on lower stream. 400 @ mouth.
8-5-68	76,000	5,000		Visibility excellent. Mostly spread and spawning fish to block. 1000 @ mouth.
7-29-69	1,100	100		Good visibility.
8-6-70	58,300			Visibility excellent for this stream. Few 100 dead.
8-28-71	5,000			Visibility good. Small bunches really spread out - upper.
8-2-72	47,000		- 132 -	Visibility good, some glare, milky.

Blossom River

101-55-40				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-17-73	3,700			70% chum. Visibility good.
8-14-74	40,000			Count low due to glare. Clear & calm.
8-11-75	11,000	700	146 kings	Visibility excellent.
				·
! ! :				
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101-55-**5**0, Wolverine Creek in Wilson Arm, 6-5-76



Name Wolv	erine Creek	Catalog I	<i>vo.</i>	101-55-50							
Latitude N	55° 22' 28"	WB Mo	004								
Longitude W	130° 36' 36"	K No.	3/14								
Geodetic Man N											
Location Smea	ton Bay - Wilson Arm	Watershed	i Leng	th 4.25 miles							
Drainage Area	rainage Area of Watershed 9.6 sq. miles (polar planimeter)										
Water Supply T	Type Ground water and p	recipatatio	n.								
Fine dila C. Cumta	Doutes Francishins		1 - 1	1							
along the lower	ey Routes Easy walking stretches of the creek.	in the stre	am bed,	some bear traile	s are found						
Applied Survey	Notes Trees overshado	the etres	n for t	he ontire distant	1 1 1 1 - 1						
survey technique	s unpractical.	w the stream	II TOL C	ne entire distanc	e making aeria						
	chor off the Wilson River	flats in 1	8 fatho	ms of water. Ref	er to Wilson						
River section.	Approximately 1/4 mile so	outh of cree!	k mouth		CI CO WIISON						
Tide Stage Whe	en Surveyed Second hal	f of flood.									
FISHERY RESOUR	RCES										
Commercial I	Fisheries Pink, chum	and coho sa	almon ar	e the major salm	onids found						
cannually. Str	ay red salmon (few) may e	nter also.									
Escapement	Fisheries Pink, chum ay red salmon (few) may e High historic - 5000 pin	ık - 1940, 40	08 chum	- 1948, 1974 326	pink, and						
1 chum. Spawn.	area: 3863 m ² (30% ASA, L	3960 ', W.	35')								
Species Com	position <u>95% pink,</u> 4	% chum, 1%	coho.								
777	to Contonia										
	te - September.										
distinguish fr	reas <u>School in pool at</u> om Wilson River fish.	treeline a	nd also	off flats but im	possible to						
Shallfish P	otential Good Dungene	oc arch fiel	hina at	hood of III A							
crab also take	n at head of Arm. Poor o	lam product:	ion	nead of wilson A	rm: Tanner						
Sport Fisher	ries Coho, Pink, Chum,	Dolly Vard	en and	See run cutthroat	may bo						
found in this	system.		CII GIIG	sea run cacentoae	may be						
Land Use at	Present None know	m.									
History of	Land Use Some hand	l logging o	f large	spruce occurred	in the lower						
watershed appr	oximately 30-40 years pri	or.		10.10							
rehabilitat problem to spa	ion Potential None ne	cessary as	the win	dfall is not pres	enting a						
		TT									
mile unstream	<u>le in lower 1/2 mile but</u> with apparent erosion pro	V-norched S	irnario	n starts approxim	ately 3/4						
milic apscicam	with apparent closion pro	MITTERIST									
GAME RESOURCES											
Bear	Fish carcasses or bones	(ald or fre	sh) on	banks, estimate	15						
	Number of droppings	(010 01 110	<u> </u>	cooming c	2						
Geese	Number seen on tide flat	īs ·			0						
	Number seen up creek	- ·-			0						
	Number of broods seen	. *			0						
Mallards	Number seen on tide flat	ts .			25						
•	Number seen up creek			ì	0						
	Number of broods seen				0						
Mergansers -	Number of broods seen				0						
Bald Eagles-	Number seen allong creek				0						
	Number of nests seen an				0						
	Number seen at mouth of				0						
Tide flats -	Estimate length along b				1/2 mile						
	Estimate depth out from		.a 01		150'						
	Eel grass present on wh	at percent c	or rrat	S	1%						

Date: 9-18-74 Name: Wolverine Creek Temperature: 60° Weather: Overcast -raining Number: 101-55-50 Station No. 2 Pool Size/Type 2/1 2/1 3/1 Riffle Type 35'W 35'W 35'W 8" D Width-Depth 8"D 8"D Pool Riffle Frequency 3 2 3 Bottom Type (Riffle) 4/5 4 5 Color/Turbidity 1/1 1/1 1/1Velocity 2 2 2 Flow (C.F.S.) 31.4 Temp. (°F.) 49° 49° 49° рΗ 5 5 5 * Fry Abundance 1-20 2-8 1-1 Benthos Sample No. Higher Plant Class . 1 1 1 Aquatic Veg. 3 3 2 Density Ident. (1) Mosses (2) Algae 2 2 2/1

STREAM INVENTORY FORM

Observers:

Novak, Downey

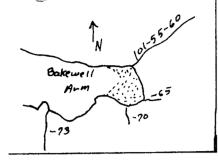
General Remarks (rehab., land use, barriers, log jams, etc.):

^{*} Adults

Wolverine Creek

101-55-5				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-13-39	500			Most fish males, indicating preseason escapement.
9-29-40	5,000			Fair.
9-28-46				Good.
8-20-47				Many dead.
9-24-48	1,040	52		40 dead pink.
9-14-51		10	coho present.	All schooled intertidal. 100 dead pinks. 35 pinks I.T. Visibility excellent
8-14-67 8-20-75				3600 I.T. Visibility good.
8-20-73				
				·
	•			
			- 138 -	

Bakewell Arm 101-55-60 9-19-74 Downey, Joyner



ر dfall

Area of windfall and is braided. Swifter water.

20 chum, a couple approach 20 pounds.

Some very good pool and rearing area within the stream. Saw many coho fry.

60% available spawning area.

Easy stream to walk, stable banks and good gravel bars.

Split channel area and windfall, no barrier.

Appears to be a very good stream.

Small tributary

60' wide. 50 live pink. Several pink carcasses ← Stopped 1.25 miles above I.T. Width - 30' (station #2) Depth - 10"

Appears to continue for quite a distance.

Good gravel and spawning area. Gravel is 2-6" with some boulders.

50 live pink. 50 carcasses.

Gravel size is 2-4" with some larger boulder type gravel.

Good gravel and spawning area.

25 live pinks. 20 carcasses.

More constricted with more velocity here. Approximately 40' wide and 10" deep. Still good gravel 2-6". 20 live pinks. 30 carcasses.

what swift, but mostly o.k.

- Station #1: 200 yards of I.T. area. Generally larger gravel but looks pretty good. Some areas here are some-

Gravel is 2-6".

Large grass flats

- 139 -

Name Bakewell	Arm - Left Head	Catalog No.	101-55-60	
Latitude		WR No.	Lilon	
Longitude		K No. 33		
Geodetic Map 1	√o. Ketchikan B-2	Work Area Ketc	hikan jth 5.5 Miles	
location Bakew	ell Arm - Smeaton Bay	Watershed Leng	th 5.5 Miles	
Drainage Area	of Watershed			
Water Supply S	Type <u>Precipitation, run</u>	off		
Trails & Surve	ey Routes Walk in the s	tream. Flat grad	ient with good gray	vol hare
to walk on.				
Aurial Survey	Notes Large type stream	m and should be a	ble to survey by a	irplane.
Anchorage A navigation char	t the head of Bakewell Arm	. Refer to the A	laska Coast Pilot :	and
Tide Stage Who	en Surveyed Tide out an	d starting to flo	od.	
FISHERY RESOU	RCES			
Commercial :	Fisheries <u>Pink, chum a</u>	nd coho		
Escapement_	7,700 on 8-7-73 and 10% cl	hum: 4,600 on 8-	18-70	
Spawning area: 16,304 m ² (6500'x45'x60% ASA) Species Composition 90% pink, 10% chums				
Species Com	osition 90% pink,	10% chums		
Timing Mic	ld1e			
Schooling a	reas Off the mouth o	r pools within th	e stream.	
Shellfish P	otential <u>Clams in the</u>	intertidal and go	od crab fishing at	the head.
Sport Fishe	ries None seen but it o	certainly has the	potential.	
			podonicia	
	Present None			
History of	Land Use None			· · · · · · · · · · · · · · · · · · ·
	•			·
Fehabilitat	ion Potential None to	the point walked	•	
Soils Fla	t gradient and soils stable	е.		
GALE RESOURCES				
Bear	Fish carcasses or bones ((old or fresh) on	banks, estimate	severa1
	Number of droppings		•	a few
Geese	Number seen on tide flats	3		0
	Number seen up creek		•	0
	Number of breeds seen	. •		0
Hallards	Number seen on tide flats	5		0
	Number seen up creek		\	0
	Number of broods seen	•		0
	Number of broods seen			1
Bald Hagles—	Number seen along creek		•	2
C1 7	Number of nests seen and			0
	Number seen at nouth of :			2
Troe Hats -	Estimate length along tea			
	Estimate depth out from i Eel grass present on what		ra	
	THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY.	o ocrocio di Fiat		

STREAM INVENT : FORM Observers: Downey, Joyne Date: 9-19-74 Name: Bakewell Arm -Temperature: 56° Weather: Overcast Number: 101-55-60 Station No. 2 Pool Size/Type 2/1 2/1 Riffle Type 60'W 30'W Width-Depth 10"D 10"D Pool Riffle Frequency 3 3 Bottom Type (Riffle) 4 4 Color/Turbidity 1/1 1/1 Velocity Flow (C.F.S.) Flow (C.F.S. Temp. (°F.) 47.5 50° 50" рΗ Fry Abundance 100-8 Benthos ó Sample No. 0 Higher Plant Class 2 1 Aquatic Veg. 3 3 Density Ident. (1) Mosses (2) Algae

General Remarks (rehab., land use, barriers, log jams, etc.):

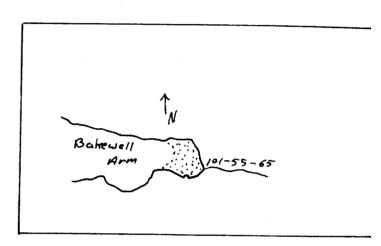
Bakewell Creek

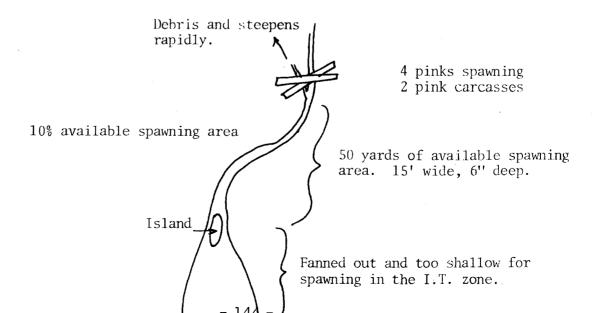
 101-55-60)	A CASE OF THE CASE AND ADDRESS ASSESSMENT OF THE PARTY OF	and the second s	
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
10-8-28	4,000			
9-29-37	1,500	1,500		Poor.
9-13-39	2,000			Poor.
9-13-40	3,000	1,000		Fair. 2000 off mouth
9-26-41	40,000			Good.
9-17-45	20,000			Good, Few chum.
10-11-46				Poor to fair.
9-24-47	3,000	600		Fair.
9-23-48	6,010	78		5000 chum 8-25. 10 dead pink.
8-18-49	4,400	30	200 coho	150 dead pink.
8-23-50	1,690	44	27 red	
8-8-51	6,100	15		None see off mouth. 73 dead pink 4 dead chum.
8-14-52	3,570	36		120 dead pink, 8 dead chum.
8-21-53	450	40	61 red	
7-31-54	50			Only 2 surveys made.
9-1-56	300			
8-26-60				No fish present.
8-21-61				None observed.
9-4-63				None observed I.T. Vis. good.
8-20-64	300	40		Vis. good. Stream high, most spawning.
8-23-65				1500 I.T. Stream low.
8-18-66	200			Some activity observed.
8-18-70	600			4000 @ mouth & I.T. Vis. good.
8-10-71	-			Some jumps in bay.
8-7-73	5,200	10%		2500 @ mouth. Visibility good.
			- 142 -	

Bakewell Creek

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-27-74				4000 @ I.T. & lower stream.
8-9-75				6000 @ I.T. & mouth.
	•			
			- 143 -	

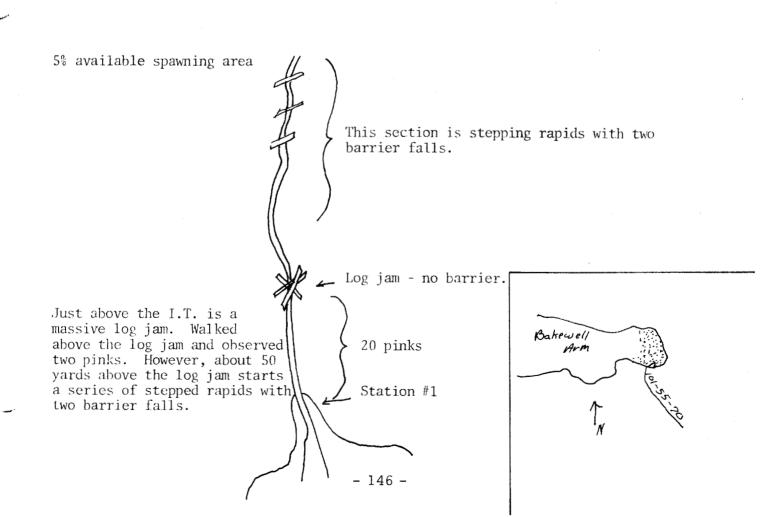
Bakewell Arm 101-55-65 9-19-74 Downey, Joyner





Name <u>Bakewell</u>	Arm - Head	Catalog No. 101-55-65	
Latitude		WR No.	
Longitude		NO.	
Geodetic Map A	O . <u>Ketchikan B-2</u>	Work Area Ketchikan	
Location Baker	vell Arm - Smeaton Bay	Watershed Length Not on charts	
Drainage Area	of Watershed	runoff, springs.	
water pubbil 1	ype <u>Precipitation</u> -	runorr, springs.	
Trails & Surve	y Routes Short strea	m so can't walk far anyway but walk in the	
Aerial Survey	Notes Small stream.	only the intertidal zone could be surveyed by	
• 4		· · · · · · · · · · · · · · · · · · ·	
Anchorage At	t the head of Ba <mark>kewell</mark> A	rm. Refer to the Alaska Coast Pilot and	
navigation char	t.		
Tide Stage Whe	en Surveyed <u>Low tide</u>		
FISHERY RESOUR	RCES		
Commercial I	Fisheries Pink		
Escapement_	6 pink on 9-19-74:		
Spawning area:	21 m ² (150'x15'x10% A)	SA)	
Species Com	position100%_pink		
Timing Mic	1410		
	reas Off the mouth	and a second control of the second s	
50110011115	OII the mouth		
Shellfish P	otential Clams in t	he intertidal zone and good crab fishing at th	ne.
head.			
Sport Fishe	ries <u>None - too small</u>	<u> </u>	
Land Use at	Present <u>None</u>		
History of	Tand Use None		
11120013 01	Darid OBC None		
Rehabilitat	ion Potential Too sm	all.	
Soils Sta	ble to the point where I	stopped walking however, the stream continues	š
steeply beyon	nd this point and they m	ay become unstable.	
GAME RESOURCES			
Bear	Fish carcasses or bone	s (old or fresh) on banks, estimate 2	
	Number of droppings	0	
Geese	Number seen on tide fl		
	Number seen up creek	0	
	Number of broods seen	00	
Mallards,	Number seen on tide fl		
	Number seen up creek	0	
7.5	Number of broods seen	0	
	Number of broods seen	0	
Dala ragies-	Number seen along cree Number of nests seen a		
Sanle	Number of nests seem a Number seen at mouth o		 .
	Estimate length along		
2 months 2 200 of 500	Estimate depth out fro		 .
	Eel grass present on w		

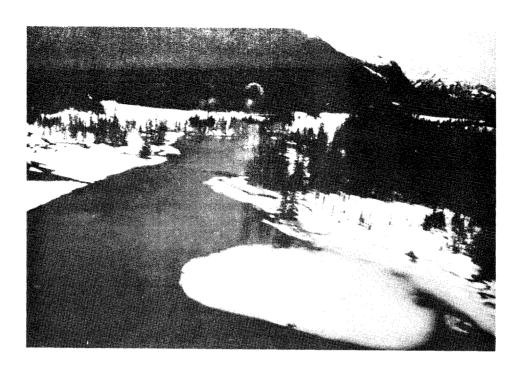
Bakewell Arm - Right Head 101-55-70 9-19-74 Downey, Joyner



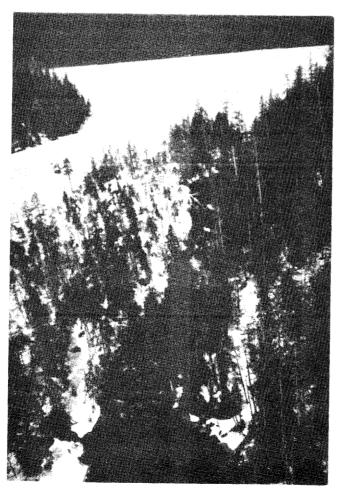
Name <u>Bakewol</u>	i Amm - Right Head	Catalog No	101-55-70	
Innotitude		P(1/97.1		
Geodetic Man 1	lo. <u>Ketchikan B-2</u>	Work Area Ketc	hikan	
Location Bakew	ell Arm - Smeaton Ray	Watershed Length	3-1/4 miles	
Described as American	of Watamahad			
Water Supply 7	Type Small lakes, pre	cipitation		
	ey Routes <u>No trails and</u>		ce to a barrier.	Walk in
the stream.	Notes Too small with			·
Aerial Survey	Notes Too small with	too much overstory i	or aerial survey	ing.
	the head of Bakewell Arm.	Refer to the Alask	a Coast Pilot and	d
navigation chart Tide Stage Whe	en Surveyed <u>Low tide</u>			
FISHERY RESOU			***	
Commercial 1	Fisheries <u>Pink - pro</u>	oably chum and coho		
Escapement_	Limited spawning and re	aring area available	due to barrier f	alls just
above the ITZ.				
Species Comp	position <u>99% pink</u>			
Timing Mide	11e	entre de la companya	Principal and an artifact of the Million of Manuschine and Million of the Company	
Schooling a	reas Off the mouth.	en e	and the same of th	
Shellfish P head.	otential <u>Clams in t</u>	he intertidal zone ar	id good crab fish	ing at the
	ries <u>Unknown but prob</u>	ably very little.		
Land Use at	Present None			
tion of the land o				
History of	Land Use <u>None</u>			
Rehabilitat	ion Potential None -	too small.		-
Soils Stab	le to the point where we	stopped walking, how	ever, the stream	continues
steeply beyo	nd this point and they ma	y become unstable.		
		•		
GAME RESOURCES				
Bear	Fish carcasses or bones	(old or fresh) on ba	anks, estimate	6
	Number of droppings	,	· -	2
Geese	Number seen on tide fla	os -	-	0
	Number seen up creek		-	0
	Number of broods seen	, 1	•	0
Mallards	Number seen on tide fla	ts	•	0
•	Number seen up creek		,	0
	Number of broods seen	•	·	0
Mergansers -	Number of broods, seen		•	0
	Number seen along creek		•	0
	Number of nests seen an		•	0
	Number seen at mouth of		•	. 0
Tide flats -	Estimate length along b			_
	Estimate depth out from		•	_
	Eel grass present on wh	at percent of flats		-

		5	Stage Tig.		<u>S1</u>	REAM I	NVENI(: FOR	M			Observ Date:	ers:	74		e (
					Na	me: B	akewe1	<u>1 - Ri</u>	ght He	ad		Temper	ature:	58°		
					Nu	mber:_	101-5	5-70				Weather: Overcast				
Station No.	1															
Pool Size/Type	2/1															
Riffle Type Width-Depth	2/ 2		,													
Pool Riffle Frequency	3							·								
Bottom Type (Riffle)	4															
Color/Turbidity	1/1															
Velocity																
Flow (C.F.S.)	9.9															
Temp. (°F.)	52°															
pH																
Fry Abundance	0															
Benthos Sample No.	0	,													·	
Higher Plant Class	2	-														
Aquatic Veg. Density Ident. (1) Mosses	3 /													·		
(2) Algae	1 2 1		1	1	[i			1	1	I	l	l	<u> </u>	<u> </u>	

General Remarks (rehab., land use, barriers, log jams, etc.):

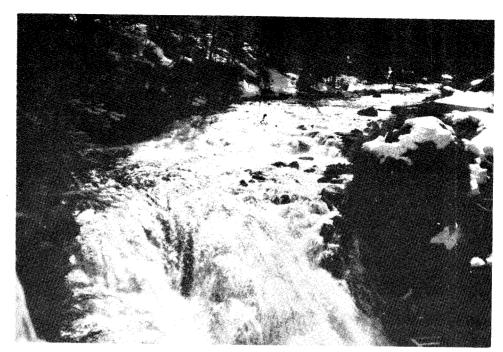


BAKEWELL LAKE Upper End

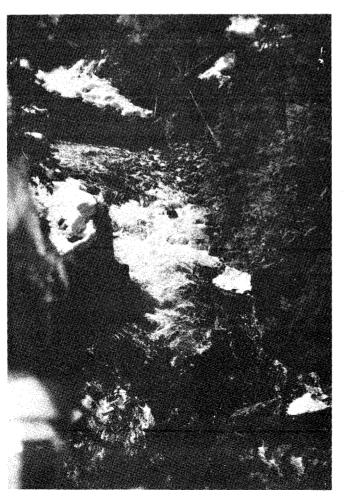


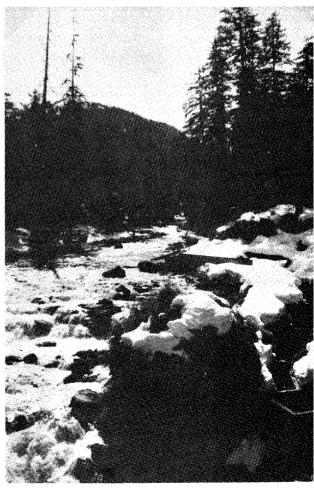
Stream between Badger and Bakewell Lakes.

Badger Lake in background.

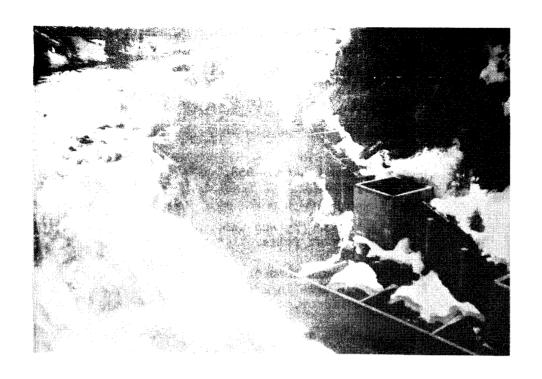


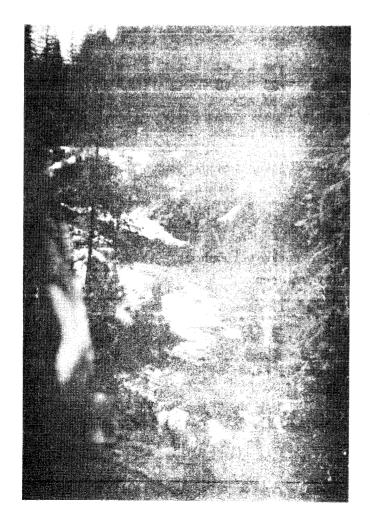
BAKEWELL LADDER



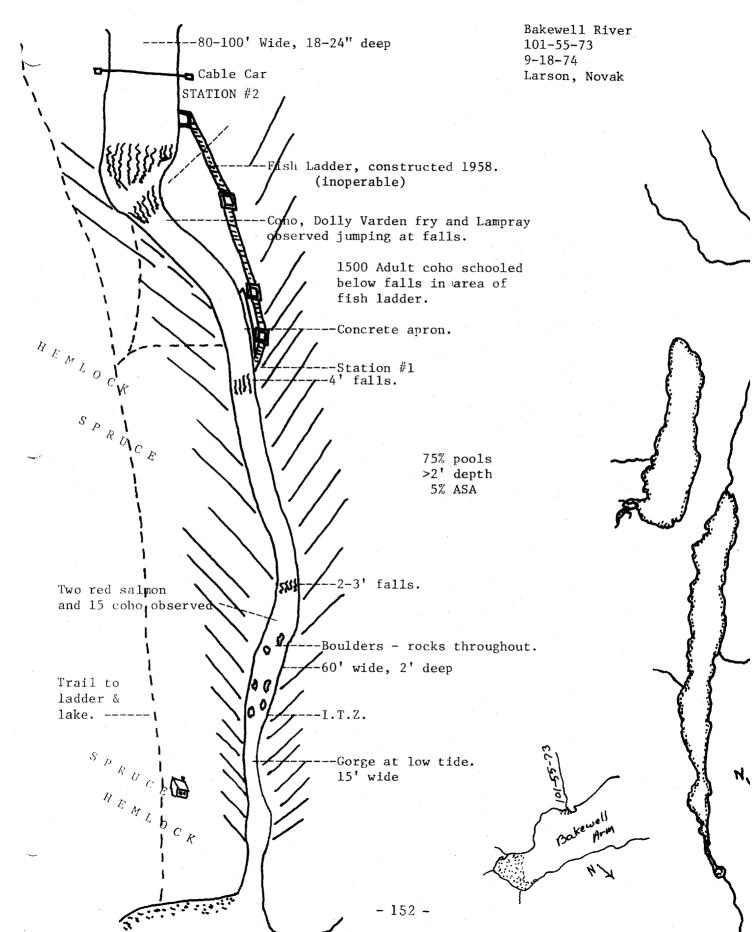


BAKEWELL LAKE LADDER





BAKEWELL LAKE LADDER



Longitude Wilgo'38' 53' K No. 32	Latitude N 55° 17' 54" WR No. 28 Longitude W 130"38' 53" K No. 32
Decation Smeaton Bay - Bakewell Arm Matershed Length 8 miles Durainage Area of Vatershed 32 Sq. miles (Polar Planimeter) Mater Supply Type Large Lakes (2) with precipitation and ground water supplements First Sturvey Routes A good trail to the lake on east side of river does not follow the river. Walking along the stream is nearly impossible. Acrylal Survey Mostes Muskes colored waters. Deep V-motched canyon with poor aerial access. except with helicopter. Anchorage Good anchorage off shore from the Forest Service trail marker. Seven fathoms of water available. Title Stage When Surveyed Second half of ebb. FISHERY RESOURCES Cohe, pink, chum and red salmon. Escapement 2 red, 15 pink, 1500 coho - 1974. Spawning area: 368 m estimated below falls. Species Composition 1974 - coho 95%, pink 4%, red and chum 1%. Timing Late - September. School below the 40 foot falls barrier was observed fish outside School along the shoreline near mouth of river. Shellfish Potential Dungeness crab at head of Arm, but no new reports off mouth of river. Shellfish Potential Dungeness crab at head of Arm, but no new reports off mouth of river. Shellfish Potential Dungeness crab at head of Arm, but no new reports off mouth of river. Shellfish Potential Dungeness crab at head of Arm, but no new reports off mouth of river. Shellfish Potential Dungeness crab at head of Arm, but no new reports off mouth of river. Shellfish Potential Sport Fisheries Coho, pink, chum, red salmon, cutthroat. Possible small run of steelhead. Deliy Warden, cutthroat and rainbow found in lakes. Land Use at Present None other than cabin on lake and trail leading from saltwater to lake. History of Land Use Fish ladder construction began in 1958 with operation until 1972. Unsuccessful due to design of construction Second Se	Longitude W 130"38' 53" K No. 32
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Schooling areas School below the 40 foot falls barrier was observed fish outside School along the shoreline near mouth of river. Shellfish Potential Dungeness crab at head of Arm, but no new reports off mouth of river. No clam potential. Sport Fisheries Coho, pink, chum, red salmon, cutthroat. Possible small run of steelhead. Dolly Varden, cutthroat and rainbow found in lakes. Land Use at Present None other than cabin on lake and trail leading from saltwater to lake. History of Land Use Fish ladder constructin began in 1958 with operation until 1972. Unsuccessful due to design of construction. Rehabilitation Potential Relocate or e-design steep pass in area of old ladder. Excellent rearing system above falls. Soils Unstable in area below the falls. V- notch situation from falls to the mouth with sluffing soils. GAME RESOURCES Bear Fish carcasses or bones (old or fresh) on banks, estimate 2 Number of droppings Number seen on tide flats 0 Number seen on tide flats 0 Number seen up creek 0 Number seen along creek 0 Number seen at mouth of stream 0 Number seen along treek 0 Number seen along beach 0 Estimate depth out from beach	
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Seals ———— Number seen at mouth of stream Tide flats — Estimate length along beach Estimate depth out from beach O 0 0	
Tide flats - Estimate length along beach Estimate depth out from beach O O	Seals Number seen at mouth of stream
Estimate depth out from beach 0	Tide flats - Estimate length along beach
Eel grass present on what percent of flats 0	Estimate depth out from beach 0
	Fel grass present on what percent of flats 0
Wolf and wolverine sign plentiful on lakes. One wolverine sighted during 4-75 survey.	Wolf and wolverine sign plentiful on lakes. One wolverine eighted during 4-75 survey

Name Bakewell River Catalog No. 101-55-73

Observers:

Novak - Larson - Ahrendt

Date: 9-18-74 & 4-24-75

Temperature:

60°F & 46°F

Name: Bakewell River Clear Weather: Overcast Number: 101-55-73

Station No.	1	2	3								
Pool Size/Type	2/1	2/1	3/2								
Riffle Type Width-Depth	60'W 24"D	90'W 18"D	60'W 12"D								
Pool Riffle Frequency	1	2	3				·				
Bottom Type (Riffle)	5	4/5	4/5								
Color/Turbidity	2	2	2								
Velocity	2	2	2							 	
L Flow (C.F.S.)											
Temp. (°F.)	48°	36°	36°								
рH	5	5	5		į						
Fry Abundance	1- 2-1	_						· · · · · · · · · · · · · · · · · · ·			
Benthos Sample No.	_	-	-	-							
Higher Plant Class	1	2	*								
Aquatic Veg. Density	2	2	3								
Ident. (1) Mosses (2) Algae	1/2	1/2	1/2								

General Remarks (rehab., land use, barriers, log jams, etc.):

^{*} Cedar - hemlock

Bakewell River (ladder)

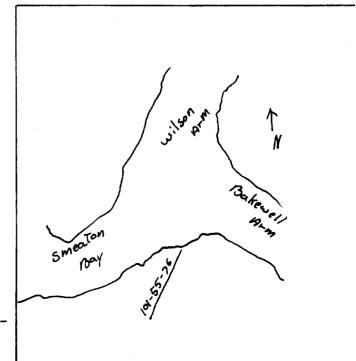
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
??-63	400		154 red	20 dead females, 17 males. 7 females were spawned.
9-1-64			154 red	7 dead, females were spawned.
8-31-66			9 red	Visibility poor. Water high.
9-15-74			100 coho, 2 reds	
9-5-75			50 red 0n 7-25. 400 coho	
	-			
		* ***		

101-55-76

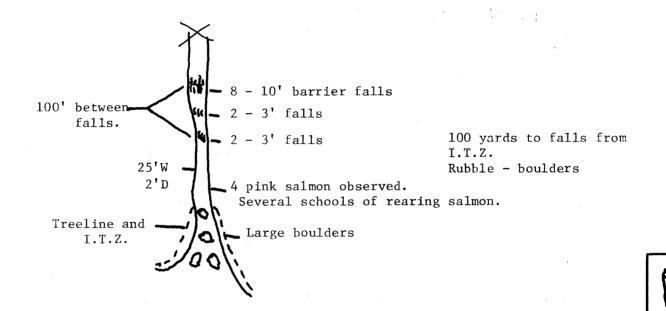
9-19-74 Downey, Larson

This is a small stream and would have little or no spawning potential.

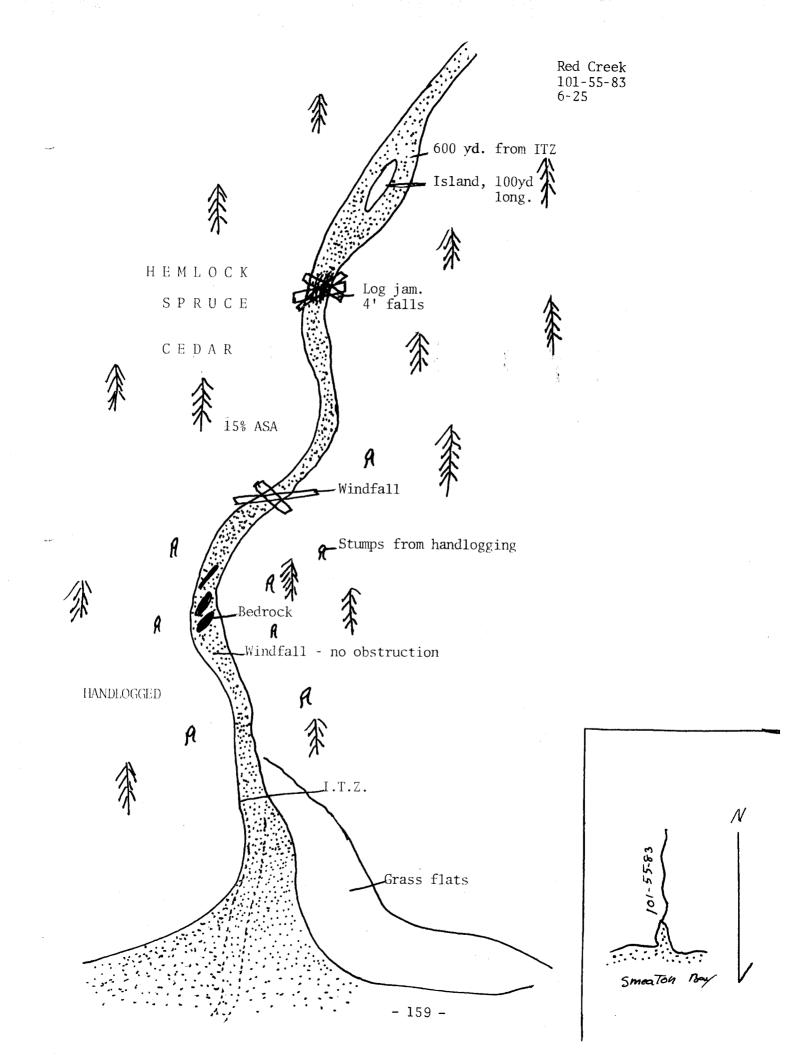
Mostly large boulders in the intertidal zone and the stream goes up
rapidly and steeply. Located Bakewell Arm, just outside.



Heavy Creek 101-55-79 Downey, Larson 9-19-74



Name Heavy Cree	ek	Catalog No	101-55-79	
Latitude	N 55° 17' 53"	WR No.		
Longitude	N 55° 17' 53" W 130° 44' 40"	N IV().		
Geodetic Map N	o. Ketchikan B-3, A-3	Work Area Ketch	ikan	
Location so, side	Smeaton B. 5.5 m.E.Carp	Matershed Leng	th 3./5 miles	
Drainage Area	of Watershed 6.9 sq.	miles (polar plan	imeter)	
Water Supply T	of Watershed 6.9 sq. Type Lake primary sour	ce, supplemented by	y ground water an	d precipita÷
tion.				
Trails & Surve	ey Routes Very difficul	t walking at lower	end due to angul	ar rocks
and houlders.				
Aerial Survey	Notes Very small stream	with canopy effec	t. Short stream	availability
makes aerial su	rveving impractical.			
Ancherage No	ne in near area of stream			
Tide Stage Whe	en Surveyed lst half	of ebb.		
_				
FISHERY RESOU	KUES	and neggibly chum		
Johnnercial 1	Fisheries Pink, coho	and possibly cham		
		107/		
scapement	4 pink salmon observed i 105 m ² (300'x25'x15% AS	<u>n 1974.</u>		
Spawning area:	position <u>Unknown.</u>	n,		
Species com	position unknown.			
Edmana T.	Contombor Octobor			
Sahooling a	te - September, October. reas Unknown.			
poliporting a	unknown.			and the second s
Shollfich P	otential Potential for	chrimn king-tann	er crab present i	n Boca de
	occurrat Totellar 10.	Sill Imp; italis cam	ice crap product	
Quadra.	ries Cutthroat trout fo	ound in the lake at	head waters. Co	oho and
pink salmon at		Julia III Circ I and a c		
Tand Use at	Present None			
marra osc ac	TT CBCTTO ROTTC			·
Fistory of	Land Use None known	•		
1				
Rehabilitat	ion Potential None			
Soils St	able in area of stream mo	uth.		
GAVE PESOURCES				
Bear	Fish carcasses or bones	(old or fresh) on	banks, estimate	_
	Number of droppings			_
Geese	Number seen on tide flat	58		-
	Number seen up creek			
	Number of broods seen			
Hallards	Number seen on tide flat	រិ <u>ន</u>		
	Number seen up creek			
	Number of broods seen		· •	_
	Number of broods seen			
Bald Eagles-	Number seen along creek		4	_
-	Number of nests seen an	d location		***
Seals	Number seen at mouth of	stream		
	Estimate length along be			
	Estimate depth out from			_
	Eel grass present on who		S	



Name Red	Creek 55° 17' 03'' 30° 49' 08''	Catalog No	101-55-83	
Labitude N	55° 17' 03''	WR No.		
Hommittude W 1:	30° 49' 08''	N NO.		
Georgetic Map A	o. <u>Ketchikan, B-3</u>	Work Area <u>Ketc</u>	hikan	
LONDION S. side	Smeaton B. 2½ m.E.Carp I of Watershed 9.0 sq	s.wavershed heng	3.1 miles	
Dischage Area Voice Supply T	Type Ground water fed	hy precipitation		
wa to ouppuy i	ype ground water red	by precipicación		
Tenile & Surve	y Routes Stream bed p	rovides fairly easy	walking.	
I shall Survey	Notes Air survey is p	ossible for most of	this stream.	
An an arman Go	od anchorage behind Carp	Island, Hard botto	om enables safe ar	chorage
close in at 5 fa	thoms.		V.1002200 50120 W.	<u>ionorugo</u>
Tide Stage Whe	en Surveyed 1st half	of flood		
FESHERY RESOUR				
	Fisheries Pink, coh	o, chum		
Escapement_	Unknown - no historical $(1800' \text{ L x } 43'\text{W x } 15\% \text{ Aposition}$ Pink , coh	data on record.	2	
	(1800' L x 43'W x 15% A	SA) Spawning area:	10/9 m	
Species Comp	position Pink , con	o , chum		
Ciming Late	- SEptember, October.			
Schooling a	reas Off mouth of strea	m.		
Shellfish P	otential <u>Possibly dur</u>	ngeness crab, none sa	ampled.	
Charles Diagles	wine Dink coho chum	Dolly Vardon cut:	hroat	
cport rishe.	ries Pink, coho, chum,	Dorry varuen, cut	Inivat	· · · · · · · · · · · · · · · · · · ·
Tand Use at	Present None, other	than recreation		
History of	Land Use Handlogging		**************************************	
Pebabilitat	ion Potential Windfal	1 could be cleared	from stream bed.	
2 1 1 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Soils App	eared to be fairly stable			
GAME RESOURCES				
Bear	Fish carcasses or bones	(old or fresh) on	banks, estimate	0
	Number of droppings			2 live bear
Geese	Number seen on tide fla	ts		0
	Number seen up creek			0 0
Wallards	Number of broods seen Number seen on tide fla	t a		4
raliaius	Number seen on creek Number seen up creek			
	Number of broods seen			0
Marmisers -	Number of broods seen			0
	Number seen alleng creek			0
, 	Number of nests seen an			0
	Number seen at nouth of			
illad ilaus	Estimate length along b Estimate depth out from			200 yds. 50 yds.
	Eel grass present on wh		3	2%

Date: 6-25-75 Name: Red Creek Temperature: Weather: Overcast Number: 101-55-83 Station No. 1 Pool Size/Type 3/3 Riffle Type 43'W Width-Depth .63'D Pool Riffle Frequency 3 Bottom Type (Riffle) 4/6 Color/Turbidity 1/1 Velocity Flow (C.F.S.) 30.2 Temp. (°F.) 54° pH 5 Fry Abundance Benthos Sample No. Higher Plant Class 1 3 Aquatic Veg. Density Ident.

STREAM INVENTORY FORM

Observers:

Ward, Jones

General Remarks (rehab., land use, barriers, log jams, etc.):

1

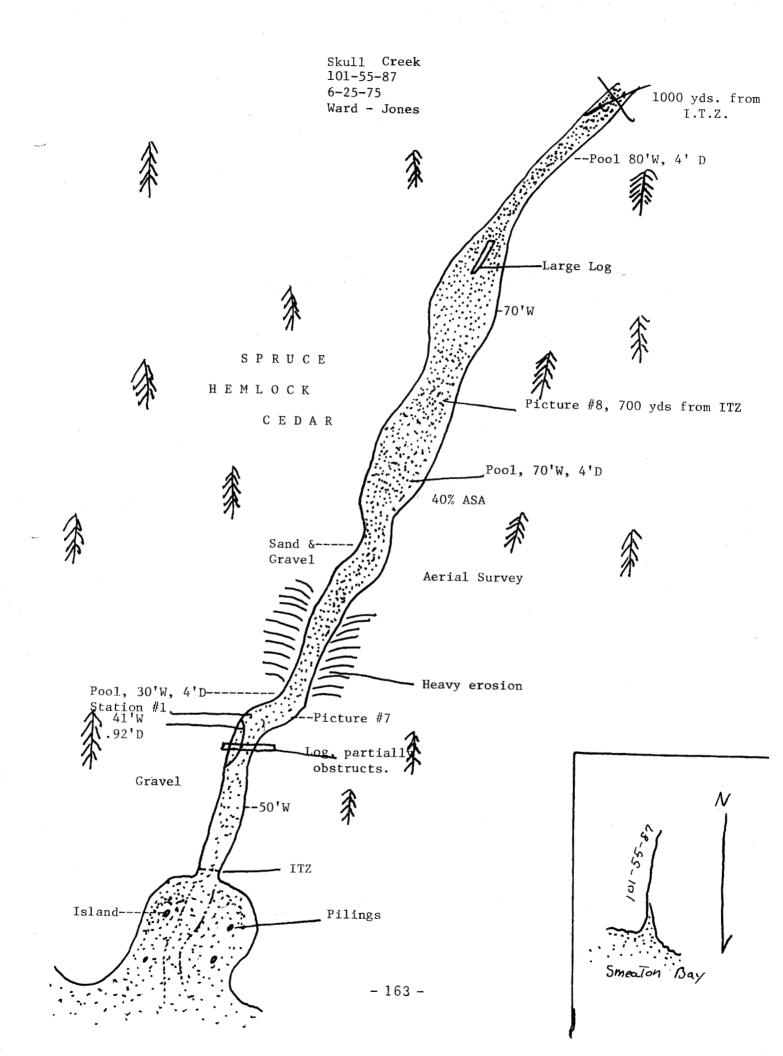
(1) Mosses

(2) Algae

- (

Smeaton Bay 2 miles E. Carp Island

10	1-55-8	3			
D	ATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-	13-40	500			Fair. 1000 @ mouth.
9-	27-41	1,000			Good.
8-	26-48				No fish seen.
8-	28-49				No fish seen. Water very low.
9-	14-51	200			Fish in lower Intertidal.
9-	4-63				Boulders & rock bottom - partial barrier 1/8 mile.
6-	29-70				None observed. Vis. good.
1					
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-					
				-	
į			1		



Name Skull	Creek	Catalog No.	101-55-87	
Latitude N 5	Creek 5° 17' 03"	WR No.		
		K No.		
Geodetic Map N	Jo. Ketchikan B−3	Work Area	Ketchikan	
Location So.side	e Smeaton B, 1.5 m. E Ca of Watershed 7.5 sc	irp Wastershed Lei	ngth 1.5 miles	
Drainage Area	of Watershed 7.5 sc	ı. miles		
Water Supply T	Type Fed by precipitati	lon and groundwate	r.	
	ey Routes Game trail			t of this
	ctions are better suited			
Aerial Survey	Notes This stream wo	ould be suitable f	or aerial survey.	
Incharage Go	od anchorage behind Cari	Teland Hard bo	ttom provides safe a	nchorage
close in at 5 fa		o island. Hard bo	ctom provides sare a	Hellorage
Tide Stage Whe	en Surveyed lst ha	lf of flood		
_				
FISHERY RESOU	HUES Bishamina Pink col	no chum		
Commercial	Fisheries Pink, col	io, ciium		
Escapement	Unknown - no historica	1 data on record	Spawning area: 557	4 m ²
170001701110110	(3000'L x 50'W x 40%	ASA)	opawii iy ahaa i	P. Santan California and California and California and California and California and California and California
Species Com	position Pink , c	oho , chum		
Timing Lat	e - September, October			
Schooling a	reas Bay provides ex	cellent schooling	areas.	
	otential <u>Dungeness c</u>	rab are known to b	e in area. Also fai	r concentra-
tion of clams	in the bay.			
Sport Fishe	ries Pink, coho, chum	, Dolly Varden and	Cutthroat	
The Time of	Descript None other	u they recorded	et die voor de versteer van de versteer van de versteer die van de versteer de	
Land Use at	Present None, othe	r than recreation		
History of	Land Use Handloggin	o. Stream appears	to have had a fish	trap at the
mouth.	none obe name oggen	6. octom appears	To have had a little	
Rehabilitat	ion Potential Str	eam is relatively	clear of obstruction	s. Some
minor log jams	exist but these could	be easily cleared.		
Soils Some	heavy erosion along so	me sect ions of the	stream caused by wi	ndfall.
GAME RESOURCES				
	773 -1.	- (-7-7 am fhannis) -	na handa a hâmata	0
Bear	Fish carcasses or bone	s (old or Iresn) o	on banks, estimate	1
0	Number of droppings	0+0	-	0
Geese	Number seen on tide fl	aus		0
	Number seen up creek Number of broods seen			0
N's 7 7 seeds	Number of broods seen Number seen on tide fl	o+ a		4
Mallards		als		0
	Number seen up creek Number of broods seen			0
Mergansers -	Number of broods seen			1
Rald Eagles-	Number of broods seen Number seen along cree	de.	•	<u>i</u>
Diting magness-	Number of nests seen a		-	0
Seals	Number seen at nouth o			0
	Estimate length along			600 yds.
	Estimate depth out from			100 yds
	Eel grass present on w		ats	rø.

				Na	ma: S	kull	Creek		Temper	ature:	60°) 	
				Nu	mber:	101-5	5-87		Weathe	r:_Ove	ercast		
			 										
Station No.	1					ļ							
Pool Size/Type	1/1											-	
Riffle Type Width-Depth	41'W .92'D												
Pool Riffle Frequency	3 .			,					,				
Bottom Type (Riffle)	4/6												
Color/Turbidity	1/1												
Velocity													
Flow (C.F.S.)	41.9												
Temp. (°F.)	44°												
plí	5												
Fry Abundance													
Benthos Sample No.													
Higher Plant Class	2	·											
Aquatic Veg. Density Ident. (1) Mosses	1												·
(2) Algae	1	-		-									

STREAM INVENTORY FORM

Observers: Ward - Jones

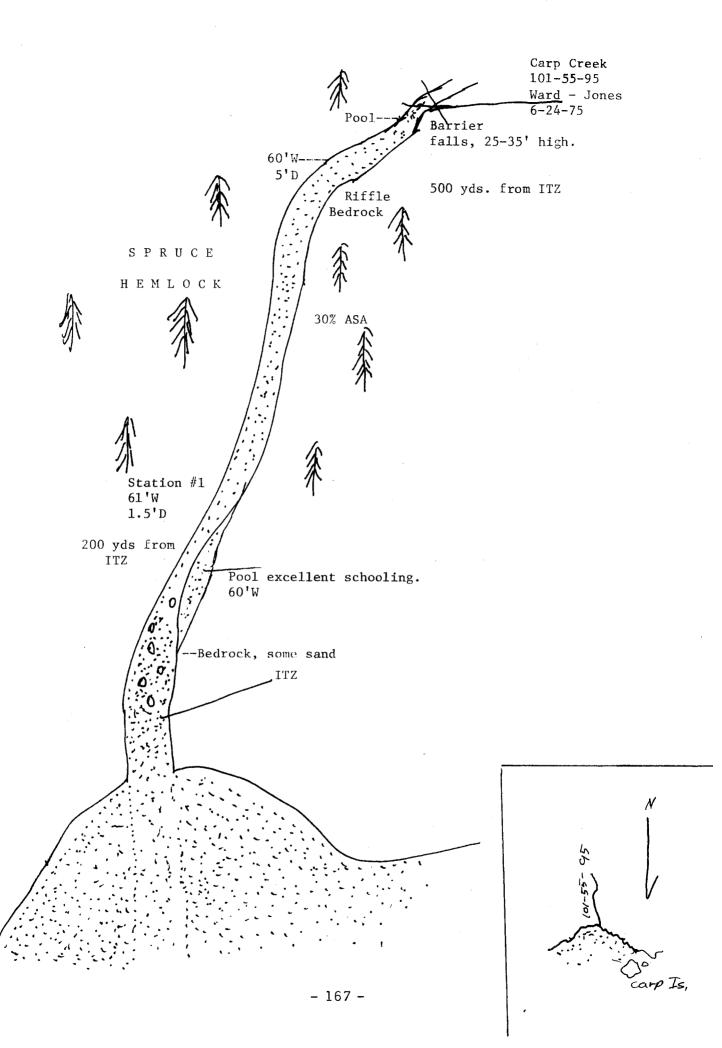
Date: 6-25-75

General Remarks (rehab., land use, barriers, log jams, etc.):

(

Skull Creek 101-55-87

101-55-8	· · · · · · · · · · · · · · · · · · ·			
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-29-40	15,000		·	Fair. 1000 chum 9-13. 3000 off mouth.
9-21-42	3,000	300		Excellent.
9-18-43	15,000			Fair. 4000 off mouth.
9-17-47	700		10 coho	Good
8-10-48				No fish in stream.
8-26-49	50			
9-18-50	520	1	80 coho	100 off mouth.
9-14-51	1,800			Many fish in bay.
7-24-57	600			
9-4-63				Bedrock, rock and gravel.
8-21-73	500			1000 @ mouth, vis. fair.
9-6-74	350			300 Pinks @ mouth. Water dark.
	·		·	
			- 166 -	



Hame Carp Cr	eek	Catalog No	101 -55 -95	
latitude N	eek 54° 15' 05" _130° 52' 07"	WR No25		
Lougitude <u>w</u>	130° 52' 07"	K No30		
Grodetic Map 1	O. Ketchikan B-3	- Work Area Ket	chikan	
Location <u>Smeat</u>	on Bay - off Carp Island of Watershed 5 sq.	watershed Ler	igth 3.5 miles	··
Drainage Area	of watersned 5 sq.	miles		
	Type <u>Ground water and</u>	precipitation fed	partly by a lake w	hich lies
to the southeas	ey Routes <u>Possible to</u>			
	y by walking stream bed.		ns by walking game	trails,
Aprial Survey	Notes <u>Aerial survey</u>	is nossible Ther	e is no canony cove	ring and
water is light	brown.	is possible. Thei	c is no canopy cove	ering and
Anchorage Go	od anchorage between Car	p Island and mainl	and shore. Hard bo	ottom close
shelter to 5 fa				
Tide Stage Wh	en Surveyed 1st hal	f of ebb		
FISHERY RESOU	DOTO			
	nors Fisheries Pink, coho,	chum		
COMMETCIAL .	risherics Tink, cono,	CHUM	the state of the s	
Escapement	1957 - 1000 pink, 1000	chum. Spawning ar	ea: 2508 m ²	
	(1500' x 60' x 30% ASA)	<u> </u>	
	position Pink, coho,		en, possibly cutthro	oat
Timing La	te - September, October.			
Schooling a	reas <u>Possible schoo</u>	ling areas off eas	st (left) side of cr	reek in ITZ
and 75 yds up	stream in pool area. otential <u>Possibly d</u>			
Shellfish P	otential Possibly d	ungeness crab. Ho	wever, none were sa	ampled.
Chant Figho	ries Pink, coho, chu	m Doller Venden e	aggible sutthment	
Sport rishe	Ples Fink, cono, end	m, borry varden, p	ossible culturoat	
Land Use at	Present None other	than some recreat	ion.	

History of	Land Use Handloggin	g.		
	ion Potential Poss		of a fish ladder to	open the
	and lake to salmon and t	rout.		
Soils Fai r	ly stable.			
GAME RESOURCES				
Bear	Fish carcasses or bones	(old or fresh) o	n banks, estimate	0
	Number of droppings		· ·	0
Geese	Number seen on tide fla	its		0
	Number seen up creek			0
	Number of broods seen			0
Mallards	Number seen on tide fla	its		3
	Number seen up creek			0
20	Number of broods seen			0
	Number of broods seen			
Baid Fagies-	Number seen along creek		•	- 0
ຕວດປັ <i>ດ</i>	Number of nests seen as Number seen at mouth of			. 0
	Estimate length along l			100 yds.
11ms 11q02 -	Estimate depth out from			40 ft.
	Eel grass present on wi		ts	2%
	CL L			

					Na	me: <u>C</u>	arp Cr	eek			Temper	ature:	54°	 <u>.</u>
					Nu	mber:	101-55	5-95			Weathe	r:0ve	rcast	
					T	-				T				
Station No.	1								ļ					
Pool Size/Type	2/1													
Riffle Type Width-Depth	61'W 1.5'D				Í									
Pool Riffle Frequency	1													
Bottom Type (Riffle)	4/6			·										
Color/Turbidity	1/1													
Velocity	2													<u></u>
Flow (C.F.S.)	82.7													
Temp. (°F.)	51°													
pH	5													
Fry Abundance														
Benthos Sample No.							·							
Higher Plant Class	2	•	,						·					
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	3	green												

STREAM INVENIORY FORM

Observers:

Date:

Ward - Jones

6-24-75

General Remarks (rehab., land use, barriers, log jams, etc.):

1

Carp Creek

101-55-9	5			
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-13-40	1,000			Fair. 2000 off mouth.
9-18-43	3,000			Fair. 5000 off mouth.
9-17-47	60	1		
8-10-48	200			
8-26-49				No fish, low water.
9-14-51	60			Some off mouth.
7-24-57	1,000	1,000		Fair.
8-26-61			t L	None observed.
9-4-63				Barrier falls 4 mile.
8-12-75				1900 @ mouth.
			·	
			-170 -	

NOUSA LAKE 20'falls

Nouse 20'falls

Larrect

Possible 10 to
Nooya Creek

101-60-09 7-30-75 Downey, R.Larson

Larger type stream. Possibly up some from recent rain. Lower 200 yds. swift and composed of larger gravel and boulders (6-10"). Unidentified fry seen throughout. Flat gradient to the point walked with excellent spruce.

15% Available spawing area to the point surveyed.

Stopped 1/4 mi. above treeline.

Just too brushy to walk. Choked with a tangle of brush to stream banks and stream somewhat swift to walk in.

Less water here, but less velocity and looks like better spawning here.

Excellent man-made trail to Nooya Lake (1 mile).

Gravel doesn't look too bad, somewhat large (6-8"). Major problem for spawners is velocity. Spawning restricted to the stream edges.

Lone tree on small island

Debris and split channel area Couple good pools. Several unidentified fry.

3 3-4 logs across stream no block

Intertidal area composed mostly of larger boulders (6-10") with some sand. A good riffle in the upper I.T.Z.

Name Nooy	a Creek	_ Catalog No	101-6	60-09	
Latitude N	a Creek 55° 36' 08" 130° 42' 05"	WR NO.	38		
<u></u>	100 42 00	K No.	42		
Geodetic Map	No.Ketchikan C-3	_ Work Area_	Ketchikar	1	
Location Rudver	d B. no. arm w shore 1 m	wile Watershed	Length	10.5 miles (t	ribut. include
Drainage Area	of Watershed 11 3	sq miles			
Water Supply '	d B. no. arm w shore 1 m of Watershed 11 3 Type Large lake, mel	ting snow and	precipitati	on	
Trails & Surv	ey Routes Trail to 1	ake along left	hand side	of creekbed i	s difficult
to walk at high	water, should be easy at	low water. B	anks very b	rushy.	
Aerial Survey	Notes Good for stre	am this small.	Mid-day a	and afternoon	best light.
low water prefer	able.				
Anchorage De	lta extends be <mark>tween poi</mark> n	it of land on e	ither side.	Better anch	orage on
opposite shore a	t mouth of small creek.				
Tide Stage Wh	en Surveyed 1/2 flo	od			
FISHERY RESOU	PCFS				
Commandial	Fisheries Pink,	chum, coho			
Commendial	r I Sher Les 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	cham, cone			
Francment	High higtoria - 10/6	25 000 1072	7/ 11 00	o Spawning	2802
1962 m ² .	High historic - 1946 - (1320'L x 40'W x 25% A	SA) 1at 1/4 mi	-/4 - II.UL	D Spawning	area =
Specias Com	position 70% pinks,	25% chum 5% c	te surveyed		The state of the s
Spaces com	position 70% pinks,	23% CHum, 3% C	0110		
Timing Mi	ddlo - Toto				
Schooling a	reas <u>Off intertidal de</u>	1+c on 1oft ha	-1 -11E		1
50110011115 a	read off finterridar de	ILA ON TELL NA	na sine or	srream channe	
Shellfish P	otential Some-clams,	may have a few	crabs. Po	tential low.	
Sport Fishe	ries <u>Dolly Varden in</u>	lake.			
Land Use at	Present Recreati	onal fishing i	n lake and	goat hunting.	
History of	Land Use Unknown				
•					
Rehabilitat	ion Potential Has	approx. 20' ba	rrier falls	close to out	let of lake.
Could be inve	stigated, frops 200 feet	in 2 miles.			
Soils Bedr	ock extensive in upper o	reek outlet to	lake. Str	eam banks ste	ep and
	d, lower stream flatens				
GAVE RESOURCES					
	Tital was a second and have	/-24			
rear	Fish carcasses or bone	s (old or fres	n) on banks	s, estimate	0
Cana	Number of droppings	0 + 0			
Geese	Number seen on tide fl	aus			0
	Number seen up creek				0
25-22	Number of broods seen	-6		•	0
Mallards	Number seen on tide fl	aus			0
	Number seen up creek			-	0
*******	Number of broods seen				0
Mergensers -	Number of broods seen	.1-			0
Bald Eagles-		and leasting			1
Can To	Number of nests seen a				0
	Number seen at mouth o				300 1-
rage Flats -	Estimate length along				300 yds
	Estimate depth out fro		67 a in		100 yds
	Eel grass present on v	mat percent of	ilats		0

			<u>S'</u>	TREAM 1	NVENIC	ORY FOR	<u>M</u>		Observ	vers:	Downe	<u>y - R.</u>	Larson
			Na	me:	Nooy	a Cree	k		Date: Temper		Downe 30-75 - 53	} ***	
			 Nι	mber:		60-09		 	Weath	er: <u>0</u>	rercast	- rai	n
Station No.	1												
Pool Size/Type	3/2	1											
Riffle Type Width-Depth	50'W 1.5'D												
Pool Riffle Frequency	3	,											
Bottom Type (Riffle)	4												
Color/Turbidity	1/1												
Velocity	2												·
Flow (C.F.S.)	251.3												
Temp. (°F.)	50°										-		
pН	4												
Fry Abundance	several												
Benthos Sample No.											:		
Higher Plant Class	1												
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	2												

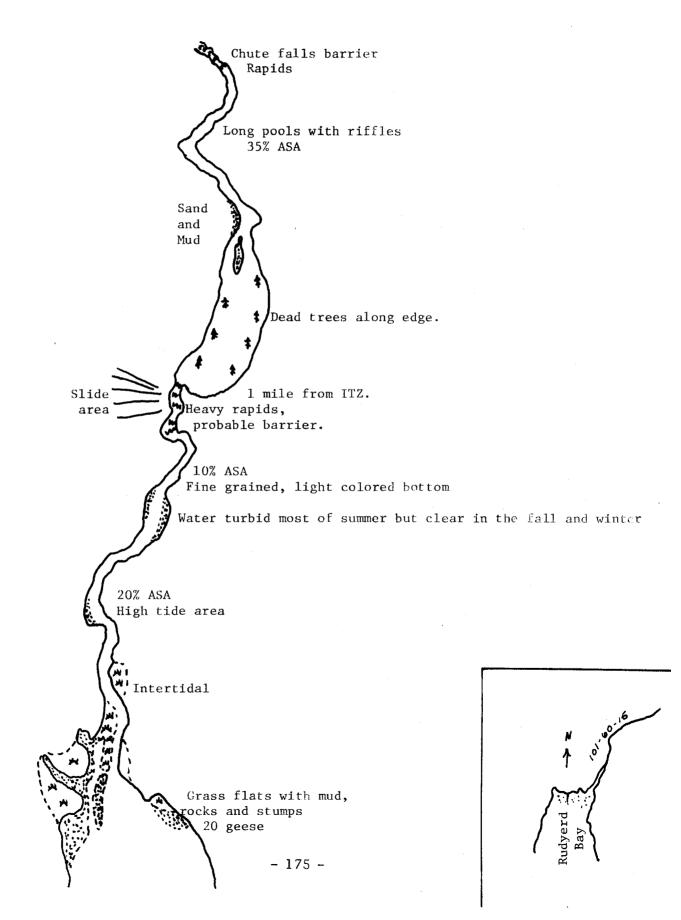
General Remarks (rehab., land use, barriers, log jams, etc.): Riverbed generally flat and the water is swift, few pools in lower section (1/4 mile).

- 17

Nooya 101-60-09

T				· · · · · · · · · · · · · · · · · · ·
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-20-40	300	100		Poor.
9-17-43	15,000	5,000		Excellent. 5000 off mouth.
10-12-46				Poor.
9-24-47		6,000		Fair, few pinks.
8-27-48				Fair.
8-7-53	5	1		Poor.
8-23-54	4,000			Few still off mouth.
9-14-56	2,500	400	·	50 pink @ mouth.
8-7-57	600	120		·
8-5-60	8,000			
8-24-61	3,000			Reported by sport fisherman.
8-25-62	6,000			2000 dead. Visibility fair.
8-8-63	650			200 @ mouth. Good Vis. 150 I.T
9-1-64	. 900	300		Most spawning.
8-3-65				Visibility excellent.
9-7-66	250			Stream high. Few dead at mouth.
9-4-67	30	10		Visibility excellent.
8-19-68	3,100			Few 100 dead.
8-29-69	50			Stream high. Vis. fair to poor.
7-27-70	1,000			Visibility poor.
8-12-71				None observed. Vis. fair.
7-31-72	800			Visibility fair. 200 @ mouth.
8-17-73	11,000			Visibility good.
8-15-74	11,	,000		Visibility good.
8-18-75	13,000			2 schools @ mouth. 3000 @ I.T. Visibility excellent.
			- 174 -	

Rudyerd River 101-60-15 7-30-75 Downey, Ward



Name Rudyer	d River 55° 39' 04" 30° 38' 07" No. Ketchikan C-2 rd Bay, N. Arm head of Watershed 84.5	Catalog No	101-60	0-15	
Latitude N !	55° 39' 04"	WR No.	36		
Longitude W 1:	30° 38' 07''	K No.	41		
Geodetic Map N	O. Ketchikan C-2	Work Area	Ketchika	1	-
Location Rudye:	rd Bay, N. Arm head	Watershed	Length	42 miles	
Drainage Area	of Watershed 84.5	sq. miles			
Water Supply 1	Type Precipitation, me	elting snow.			
Trails & Surve	ey Routes <u>Large rive</u>	and difficul	t to survey	by foot bec	ause of
long distances an	nd brushy banks.				
Aerial Survey	Notes Can be adequate	ly surveyed by	air but on	Ly during lo	w water.
Snow water runof	f makes the water turbid	at times.			
Anchorage of	f entensive intertidal de	elta.			
Tide Stage Who	en Surveyed <u>2/3 floo</u> c	<u> </u>			
FISHERY RESOU	RCES				
Commercial I	Fisheries Pink, chum	, coho and kin	g		
Escapement	1949 -13,000 pinks, 13	.000 chum, 210	0 coho, 1950	0 - 21,000 p	ink, 13,000
chum, 1000 co	ho. Since 1961 - 3600 a	ve. 74- 30,00	0. Spawning	area = 7316	m ² .
(2500'x9	0'x15%) + (1500'x75)	'x40% ASA)		_	
	sition: Very variable,		No kings r	eported rece	ntly 38 in '5
	ally middle but early pe				
Schooling a					
.					
Shellfish P	otential <u>Dungeness cr</u>	ab and tanner	crab in bay	•	
Sport Fishe	ries Dolly Varden and	cutthroat in s	treams. La	<mark>ke in</mark> headwa	ters was
	rainbows and now offer e				
Land Use at	Present None				
History of	Land Use <u>Unknown</u>				<u></u>
		·			
Rehabilitat	ion Potential The sl	<u>ide has create</u>	d a block r	educing the	streams
spawning area					
SoilsU	nstable.			·	
	•				•
GAME FESOURCES	•				
Doom	Fish carcasses or bones	(old on fron	h) on hanke	oatimata	-
Bear		OTO OF TEEN	ii) Oil baims	, countace	
Conno	Number of droppings Number seen on tide fla	ta			1
Geese		105			18
	Number seen up creek				
77 77 7	Number of broods seen	<i>L</i> -			0
Mallards	Number seen on tide fla	lus			0
	Number seen up creek				0
n.c.	Number of broods seen				0
	Number of broods seen				0
Bald Eagles-	Number seen along creek				0
_	Number of nests seen ar				0
	Number seen at mouth of				3
Tide flats -	Estimate length along b				1/2 mile
	Estimate depth out from				1/4 mile
	Eel grass present on wh	nat percent of	flats		-

STREAM INVE LORY FORM

Name: <u>Rudyerd River</u> Number: 101-60-15

Observers: Date:

Temperature: 54°

		4			. Weinto	er.: T	J1-60 - 1	.5		Ţ	Veath	er:	Overca	st - r	ain	
Station No.	1							1	1			1		 		1
Pool Size/Type	2/1			•			·					†		1	:	+
Riffle Type Width - Depth	100'W 3-4'D														:	
Pool Riffle Frequency	3															-
Bottom Type (Riffle)	4															
Color/Turbidity	2/2		1								1	 				-
Velocity	2											· ·				-
Flow (C.F.S.)																+
Tem t. (°F.)	45°															1-
рН	4															-
Fry Abundance																-
Benthos Sample No.													1			-
Higher Plant Class	2												 			
Aquatic Veg. Density Ident.	2															
(1) Mosses (2) Algae	2											-				

Meneral Remarks (rehab., land use, barriers, log jams, etc.):

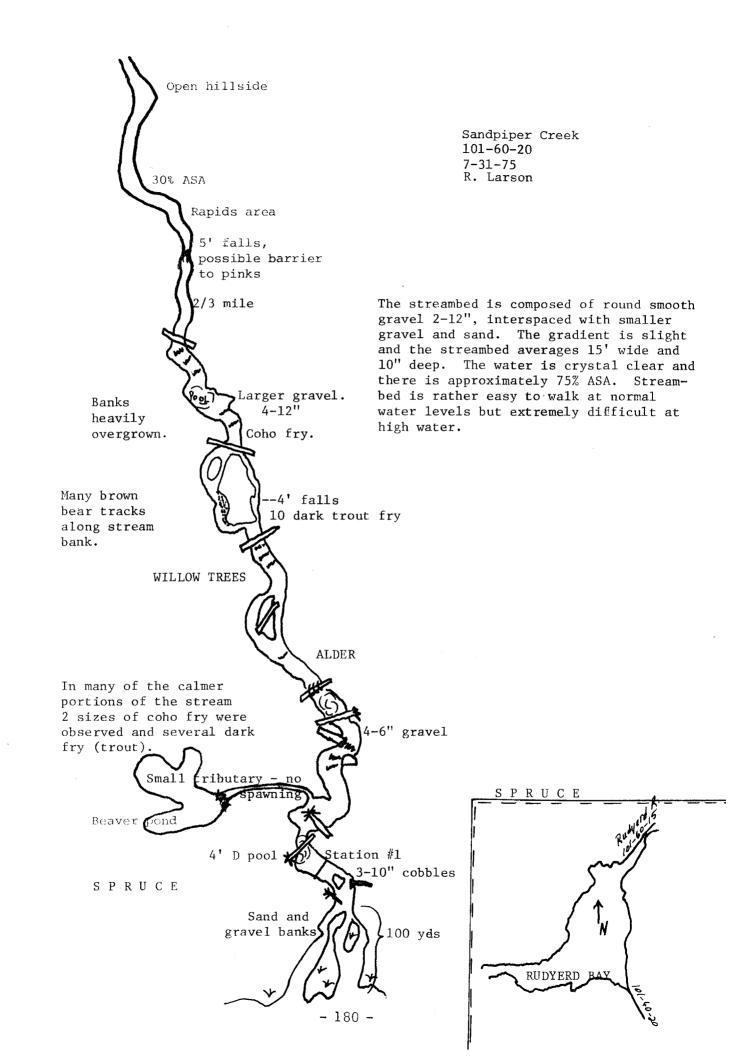
Taken at above normal flow (4-6"). Carries more than normal silt load - silt on all rocks in lower river - muddy flats. Big river - can't wade. Approx. 120'. Depth 3-4 feet

Rudyerd River

101-60-15	·			·
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
10-1-37				7-15 only few king present. Fair. few pink, many brite chum
9-13-39	1,500			No signs of earlier spawning.
9-20-40				Poor pink showing. High, muddy water.
9-25-41				Poor. High muddy water.
9-17-43	10,000	2,000		Poor.
9-25-47		6,000		Fair.
9-2-49	12,000	6,000		13,550 chum 9-27. 2,100 coho 9-27. 500 dead pink.
9-19-50	31,200	1,100		13,000 chum, 1000 coho, several kings on 9-12. 1700 dead pinks.
9-1-51	29,600	715	50 coho, 9 king	No fish at mouth. 3700 dead pink
8-24-52	14,150	100	1 red 38 kings on 9-3	1,300 dead pink.
8-9-53	1,250	260	15 kings	
8-12-54	9,500			Few chum.
8-3-55	4,000			
8-13-56	27,000			Few dead, some pinks at mouth.
8-19-57	300			14,000 live chum, 1000 dead 9-24.
8-9-60	6,000			
8-21-61	150			All schooled.
8-3-62	7,600	_		Fresh fish.
7-14-63	100			100 I.T. Poor vis. Turb air and glacial water.
7-30-64				River high. Vis. poor, 200 @mouth
8-3-65		6		Visibility excellent.
8-21-67		50		Visibility fair.
8-27-68	5,000	250	- 178 -	A few carcasses throughout river.

Rudyerd River

101-60-15				NEW AND WO
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-20-69				Vis. fair, stream flow very high
8-18-70	1,300			Vis. good.
8-12-71			-	None observed. Vis. good.
8-9-72	900			Vis, good.
8-17-73	800			Vis. good,
8-7-74	23,400			7000 @ mouth., 250 @ I.T. Low water, carcasses. Vis. good.
8-18-75	1,000		2 kings	Vis. excellent.
			,	
			- 179 -	



Name Sandpipe	er Creek 55° 38' 16" 130° 38' 46" 0. Ketchikan C-2 erd Bay, S.Shore at head of Watershed	Catalog No.	101-60-20	
Latitude N	55° 38' 16"	WR No. 36	A	
Longitude <u>W</u>	<u>130° 38' 46"</u>	K No. 41	A	
Geodetic Map 1	√○・ <u>Ketchikan C-2</u>	Work AreaK	etchikan	
Location Rudye	erd Bay. S.Shore at head o	ofwin Marsned Ler	ngun 4 miles	
Drainage Area	of Watershed 7.5 so Type Lake, groundwater,	<u> miles</u>		
waver bupply .	Type Lake, groundwater,	precipitation,	runoii irom melting	snow.
Trails & Surve	ey Routes Stream bed e	asily walked at	normal water levels	
Aerial Survey	Notes Generally shallo	ow with a light c	olored bottom. Sho	ould get
Anchorage in	n mouth of creek.			
	en Surveyed <u>1/2 flood</u>			
FISHERY RESOU		<u> </u>		
	Rond Fisheries <u>Pink and c</u>	num reported man	v coho fry coon	'n armina
areas limited	to first .5 mile of stream	m gravel then he	ging to digannear	nd gradient
Escapement	1800 peak count 1968. Sp	awning area - 336	sp m ² Increase	unu <u>gradient</u> es at 7 miles
	$(1000'L \times 25'W \times 75\% ASA$	(2000'x25'x35)	5% ASA)	
Species Com	position <u>Major speci</u> e	s pink - also ch	um and coho	
Timing M	(ddlo - August Soptombor			
Schooling at	iddle - August, September. reas Off mouth			
DOMOUTING a	i cab oii moden			,
Shellfish P	otential Dungeness o	rabs on delta.		
Sport Fishe	ries <u>Unknown</u>	A	بيد و بهرو بي بروج و دو در الله بي الله بي الله بي الله بي الله الله بي الله الله بي الله بي الله الله بي الله	
	Present None		•	
History of	Land Use <u>Unknown</u>			
Rehabilitat	ion Potential None v	varranted to incr	ease fish production	17 .
Soils Stee	ep slopes bordering stream	ım. Böttom gener	ally stable with so	me braiding
at high water	exposing glacial till.			· · · · · · · · · · · · · · · · · · ·
GAME RESOURCES			•	•
bear	Fish carcasses or bones	(old or fresh) o	n banks, estimate	
Cooco	Number of droppings Number seen on tide flat			2
GEESE	Number seen up creek	,5		
	Number of broods seen			
Mallards	Number seen on tide flat	:s		
	Number seen up creek	,,		_
	Number of broods seen			
Mergansērs -	Number of broods seen			
	Number seen along creek			_
	Number of nests seen and			-
Seals	Number seen at mouth of	stream		
Tide flats -	Estimate length along be	each		_
	Estimate depth out from			-
	Eel grass present on wha	at percent of fla	ts	_

STREAM INVENIORY FORM

Observers: Downey, Ward, R.Larson

Date: 7-30-75

Temperature: 52°

Name: Sandpiper Creek

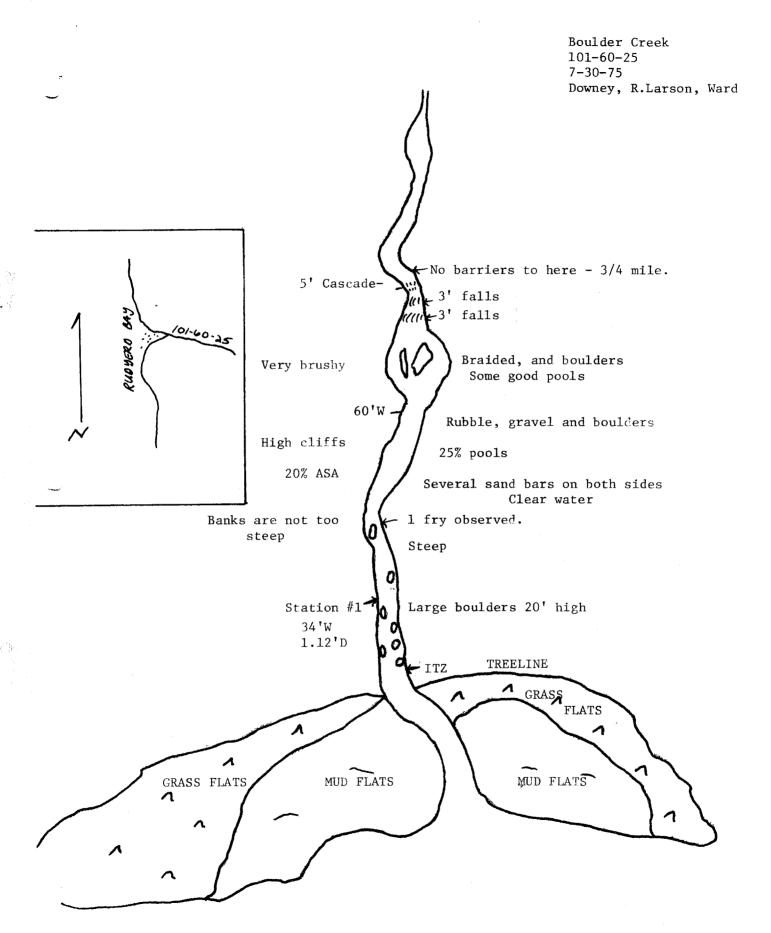
Weather: Overcast - rain

er: <u>Overcast</u>	- rain

General Remarks (rehab., land use, barriers, log jams, etc.): Stream station taken at possible above normal flow.

Sandpiper Creek

101-60-2				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-12-49	370	74		5 dead chum
7-18-53				2 jumps noted.
8-8-63		4		
8-18-64	830	40		Pink & chum spawning but fresh.
8-16-65				Visibility good.
8-21-67	fe	V		Fair visibility.
8-27-68	1,800	few		50 @ mouth. Appéars to be new fish.
7-20-70	•			None observed. Visibility poor.
7-31-72	800			Visibility good. 200 @ mouth,
8-7-74	600			150 pink @ I.T. Vis. good.
8-22-75	3,000			
			i i	
	-			
			- 183 -	



Name Boulder C	reek	Catalog N	o	101-60-25	
Latitude N	reek 55° 36' 05' 130° 41' 02" Io. Ketchikan C-3	WR No.	38A		
Longitude W	130° 41' 02"	K No.	40		
Geodetic Map 1	IO. Ketchikan C-3	Work Area	Ket	chikan	
Location Rudyer	d B. E shore between N &	2 Mermet Stream	rengu	h 2.2 miles	3
Drainage Area	of Watershed 4.2 sq	. miles			
Water Supply !	Type Precipitation an	nd early snow	fields	•	
Trails & Surve	ey Routes Difficult	walking in s	treambe	d	
Aerial Survey	Notes This stream co	ould be surve	yed by	nelicopter but i	fixed wing
	difficulty maneuvering i				· · · · · · · · · · · · · · · · · · ·
Anchorage ls	t half of ebb.				
Tide Stage Who	an Curround	 	·		
True Stage win	an Surveyed				
FISHERY RESOU					
Commercial :	Fisheries <u>Pink</u>				
Escapement_	1974 - 20,000; 1973 - 3	<u> 300; 1972 - 3</u>	,000		
Spawning area -	$3679m^2$ (3960'L x 50'W x	20% ASA)			····
Species Com	position <u>Unknown</u>				
F1 1 1 3 3 3					
Timing Mid	dle - August, September.			1	1 1 7
Schooling a	reas The ITZ and cove an	re frequently	observ	ed with large so	chools of pink
	ver, these observed salmo				
Shelllish P	otential <u>Dungeness and</u>	tanner crab	orr mou	cn.	yerd Bay
Snort Fisho	ries Cutthroat, Dolly	Vardon			
Shore Preme	ries cuttilloat, borry	varuen			
Tand lise at	Present None				
	I I O S O C C C C C C C C C C C C C C C C C				
History of	Land Use <u>Unknown</u>	·			
Rehabilitat	ion Potential No re	ehab. needed	to incr	ease fish spawn:	ing areas.
Soils Soil	s appear to be generally of stream banks.	stable. Win	<u>dfall a</u>	long stream cou	ld lead to
some erosion	of stream banks.		-		
,					•
GAME RESOURCES					
Boon	Fish carcasses or bones	(ald an free	th) on t	anks astimata	0
Dogr.	Number of droppings	(010 01 1165	ony on a	aims, esemble	0
Geese	Number seen on tide fla	te			0
ueese	Number seen up creek	0.5			0
	Number of broods seen				
Mallards	Number seen on tide fla	te			- 0
rallarus	Number seen up creek	OD.			0
	Number of broods seen				 0
"forceone orec	Number of broods seen				0
That Bottled To Transpor of Property					
rain cafires.	Number of nests seen an				0
2502	Number of Hests seem and Mumber seen at mouth of				Í
	Estimate length along b				1504c
THURST COURS	Estimate depth out from				150 yds 50 yds
	Eel grass present on wh		flats		
	O				4.70

STREAM INVENIORY FORM

Name: Boulder creek

Observers: Downey, R.Larson, Ward

Date: 7-30-75

Temperature: 52°

Weather: Overcast - rain

				Nin	mher.	101-60	-25		1	Veather	: <u>0</u> v	ercast	- rai	<u> </u>
				110	illocz .	101-00		 						
Station No.	1													
Pool Size/Type	1/1													
Riffle Type Width-Depth	34'W 1.12')	·											
Pool Riffle Frequency	3													
Bottom Type (Riffle)	4			-										
Color/Turbidity	1/1													
Velocity	2													
Flow (C.F.S.)	69.1													
Flow (C.F.S.) Temp. (°F.)	45°							 						
рН	4-5													
Fry Abundance														
Benthos Sample No.														
Higher Plant Class	1													
Aquatic Veg. Density Ident.	2									· · · · · · · · · · · · · · · · · · ·				
(1) Mosses (2) Algae	2								<u> </u>	<u> </u>	<u> </u>			

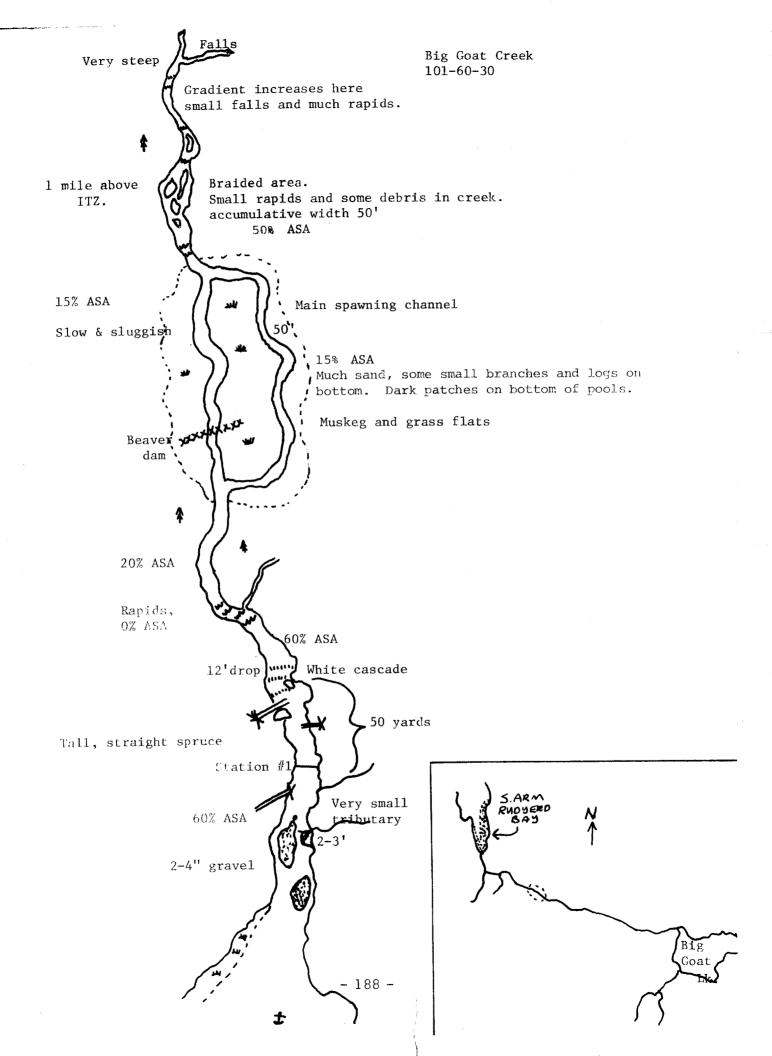
General Remarks (rehab., land use, barriers, log jams, etc.):

(

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Boulder Creek 101-60-25

101-60-25	,		1 : '	
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-14-39				Few pink, few fish off mouth.
9-26-41	1,000			Poor.
9-17-43	5,000			Poor.
8-12-53	·			Few at mouth. 17 pinks 8-7.
7-29-56	8,000			
8-25-62	·			Good visibility,
7-1-63				20 @ I.T.
8-18-64	380			Vis. good. All schooled.
8-16-65				Vis. good.
8-27-68	500			Many carcasses in lower portion stream and I.T. area.
7-20-70				Few finning schools. Vis. poor.
8-11-71				None observed.
7-24-72				3000 @ mouth. Vis. fair.
8-10-73				300 pinks @ mouth.
7-31-74				800 pinks @ mouth.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				·
:				
•				
•				
:				
			- 187 -	



Name Big Goa	t Creek	Catalog No. 10	1-60-30 an 7 miles (Big & Little Go
Latitude	N 55° 32' 08"	WR No37	
Longitude	W 130' 40' 05"	K No. 39	
Geodetic Map	No. <u>Ketchikan C-2, C-3</u>	Work Area Ketchik	an
Location Rudye	rd Bay. So Arm Head	Watershed Length	7 miles (Big & Little Go
Drainage Area	of Watershed 18 s	q. miles.	
water Supply	Type Two lakes, preci	pitation, melting snow	
Trails & Surv	ey Routes Grass flat	s easily walked. Was	a trail to old weir site
below rapids. S	tream easily walked on no	rmal or lower stream 1	evels. Banks brushy.
Aerial Survey	Notes Good stream, mor	ning or mid-day best.	Clear water and light
bottom. Lower s	tream may be obscured by	trees.	
Anchorage <u>Go</u>	od at head of bay. 4-6 f	athoms. Opposite delt	a of rocky creek on right
side of bay.			
Tide Stage Wh	en Surveyed 1/2 floo	d.	
FISHERY RESOU			
Commercial	Fisheries <u>Most spaw</u>	ning occurs above 1st	falls. Good spawning area
below falls.	Pinks, coho, chum and ki	ng salmon present.	
Escapement 1	high historic: 47,000 mix	<u>ed sp. 1974.</u> Spawning	g area = 9425 m^2 . Below fal
(600'x/0'x60%	ASA) (above falls) (5	00'x50'x60% ASA) +	(2500'x50'x 25%ASA)
Species Com	position 90% pinks weir count (24,232) ks - early Aug., chum -	9% cnums 1% c	ono
Timina Pin	weir count (24,232)	(2,697) (203) plus 6/ king salmon.
Schooling a	reas Small pool top o	f intertidal	die Sept.
00110011110 0	Teas seems		
Shellfish P	otential Dungeness a	nd tanner crab in the	bay.
Sport Fishe	ries Excellent grayli	ng fishing in lake. T	rout in stream, should
be steelhead			
Land Use at	Present Sport fishin	g in stream and lake.	Goat hunting at Lake.
TT T T T T T T T T T T T T T T T T T T	Land Use Was Fish & W	ildifo Cornico main b	olon monida 1052 5/
history of	Land Ose was Fish & w	IIdille Service well b	elow lapids 1933-34.
Rehabilitat	ion Potential Was 67	king galmon reported i	n 1954. None reported
recently.	1011 10001101201 <u>was 07</u>	ATTIR SAIMON TEPOLICEU I	it 1954. None reported
	ev floor flat with stable	banks. Muskeg and be	aver dam above 1st falls
	high tide. Stable now l		
GAME RESOURCES			
Bear	Fish carcasses or bones	(old or fresh) on har	iks estimate o
2001	Number of droppings	1 brown bear	0
Geese	Number seen on tide fla		0
	Number seen up creek		0
	Number of broods seen		
Mallards	Number seen on tide fla	ರಿಟ	0
	Number seen up creek		0
	Number of broods seen		0
Mergansers -	Number of broods seen		1
Bald Cagles—	Number seen along creek		4
	Number of nests seen an		0
	Number seen at mouth of		15
Tide flats -	Estimate length along b		300 yards
	Estimate depth out from		200 yards
	Eel grass present on wh	at percent of flats	0

Number: 101-60-30 Weather: Rain				Na	me: B	ig Goa	t Cree	<u>k</u>		Temper	ature:	53°		
Station No. 1 Pool Size/Type 3/1 Riffle Type Width-Depth 76'W 1.5'D Pool Riffle Frequency 3 Bottom Type (Riffle) 4 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 453.8 Temp. (°F.) 48° pH 5 Fry Abundance 8-15 Benthos Sample No. 8			Number: 101-60-30			Weather: Rain								
Pool Size/Type 3/1				T			T	T	1	1	1	1		
Riffle Type Width-Depth 76'W 1.5'D	Station No.	1												
Width-Depth 1.5'D Pool Riffle 3 Frequency 3 Bottom Type 4 (Riffle) 4 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 453.8 Temp. (°F.) 48° pH 5 Fry Abundance 8-15 Benthos Sample No.	Pool Size/Type	3/1												-
Frequency 3 Bottom Type (Riffle) 4 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 453.8 Temp. (°F.) 48° pH 5 Fry Abundance 8-15 Benthos Sample No. Sample No.	Riffle Type Width-Depth													
(Riffle) 4 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 453.8 Temp. (°F.) 48° pH 5 Fry Abundance 8-15 Benthos Sample No.		3												
Velocity 2 Flow (C.F.S.) 453.8 Temp. (°F.) 48° pH 5 Fry Abundance 8-15 Benthos Sample No.	Bottom Type (Riffle)	4												
Flow (C.F.S.) 453.8 Temp. (°F.) 48° pH 5 Fry Abundance 8-15 Benthos Sample No.	Color/Turbidity	1/1												
Temp. (°F.) 48° pH 5 Fry Abundance 8-15 Benthos Sample No.	Velocity	2						<u> </u>						
pH 5 Sample No.	Flow (C.F.S.)	453.8												
Fry Abundance 8-15 Benthos Sample No.	Temp. (°F.)	48°												
Benthos Sample No.	pН	5												
Sample No.	Fry Abundance	8-15												
Higher Plant														
Class 1	Higher Plant Class	1												
Aquatic Veg. 3 Density Ident. (1) Mosses (2) Algae 2	Density Ident. (1) Mosses						. ,							

STREAM INVENT

FORM

Observers: Downey, Larson

General Remarks (rehab., land use, barriers, log jams, etc.):

Station #1. Water level up 4-6"

Big Goat Creek 101-60-30

101-60-3	0			
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
8-17-33	1,500		l king	Water high.
7-14-37	2,500			100 fish off mouth.
9-20-40	5,000	1,000		Poor.
9-26-41	7,000	250		Poor.
9-17-43	15,000	1,000		Good. 2000 off mouth.
8-27-49	15,000			Stream full.
9-12-50	200	≥ 200		Several 100 off mouth. >2000 dead pinks.
8-19-51	3,200			Chum present. Few dead chum, pink.
8-27-53	3,306	2,001	ll coho, 9 kings	Weir count total. Steelhead reported 6-19.
9-15-55	24,232	2,697	203 coho, 67 king	Weir final total.
7-24-56	5,000	150		600 pink at mouth.
8-10-57	2,850	150		
8-9-60	10,000			
8-21-67	3,300			All schooled.
8-3-62	16,000			Scattered length of stream.
8-8-63	3,000	600		Ex. visibility. 50 I.T.
9-1-64	26,000	10,000		Few I.T.
8-26-65	3,000	800	l king	Chum mostly spawning, pinks mostly schooled.
8-24-66	20,000	present	few king, coho	3100 @ I.T. Vis. fair. Many spawning & dead.
8-21-67	500	300		200 I.T., few @ mouth. Vis. fair
8-27-68	19,000	1,000		Ex. vis. heavy spawning activity, many dead, many carcasses.
8-20-69	250			Ex. vis.
8-18-70	14,300		-191 -	2000 I.T. Visibility fair.

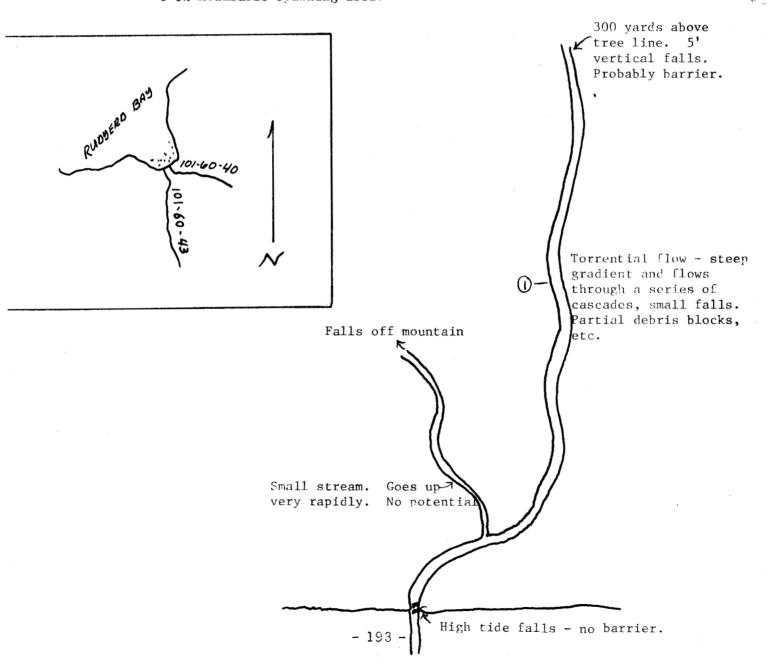
Big Goat Creek

101-60-30)			, .
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
8-12-71	800	600		Visibility fair.
8-9-72	5,600	4,000		Vis. good. 1000 carcasses.
8-17-73	6,300	10%		Visibility good.
8-15-74	37 ,	000		10,000 in bay. Vis. good.
8-18-75	24,000	some		Vis. ex. 700 @ I.T., 15,000 @ mouth.
			r v	
		,		
			- 192 -	

Rudyerd Bay 101-60-43 7-30-75 Downey, R.Larson

Small stream, narrow - swift - steep. Very little potential. Saw no fry at all.

3-5% Available spawning area.



Name Rud	yerd Bay	_ Catalog No	101-60-43
Latitude N	55° 34' 01"	WR No	
Longitude W	130° 45' 00"	K No	
Geodetic Map 1	No. <u>Ketchikan C-3</u>	Work Area Ketc	hikan
Location Rudyer	d Bay.	_ Watershed Lengt	h 2.3 miles
Drainage Area	of Watershed 4.1	sq. miles	101-60-43 Chikan h 2.3 miles
Water Supply '	Type <u>precipitation</u>		
Trails & Surve	ey Routes Difficult	walking stream becuas	se of steepness and larger
boulder in stream	ambed. Easier walking i	n timber on right sig	le.
Aerial Survey	Notes Too small and	canopy dense at lower	end
Anchorage Car	n anchor here but better	in either Punchbowl	or head of south arm.
Tide Stage Who	en Surveyed High.		
FISHERY RESOU	RCES		
Commercial	Fisheries <u>Unknown</u> .	Probably a few pink	CS.
Escapement_potential.	Unknown. Very little	potential. Limited	spawning and rearing
	position No fish rep	orted or fry seen.	
	obably middle		The state of the s
Schooling a	reas None		
01 11 01 1 D	-44-3		
Shellish P	otential <u>None</u>		
Sport Fishe	ries None		
Tand Has of	Drogort N		
Land Use at	Present None		
History of	Land Use None		
nitobory or	There are a second		
Rehabilitat	ion Potential None		
Soils Very	rocky stream bed and ba	inks - stable.	
GAME RESOURCES			
Door	Trale appending on home	a (ald an floorb) on b	anlia astimata
pest,	Fish carcasses or bone Number of droppings	2 (ord or, 11,620) our	
Geese	Number of droppings Number seen on tide fl	at s	0
GEESE	Number seem up creek	a 05	0
	Number of broods seen		0
Mallards	Number seen on tide fl	ata	0
ratification ——	Number seen up creek		0
	Number of broods seen		0
Mergansērs —	Number of broods seen		0
Bald Eagles-		16	0
٠٠٠٠ بالمنطاب لا الماطاب الما	Number of nests seen a		0
Seals			- 0
	Estimate length along		0
	Estimate depth out from		0
	Fel grass present on w		0

Name: Rudyerd Bay

UDServers: Downey, R. Larson

Date: 7-30-75

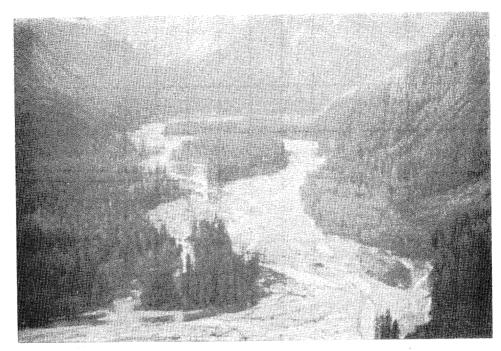
Temperature: 52°

Weather: Overcast - rain Number: 101-60-43 Station No Pool Size/T Riffle Type Width-Depth

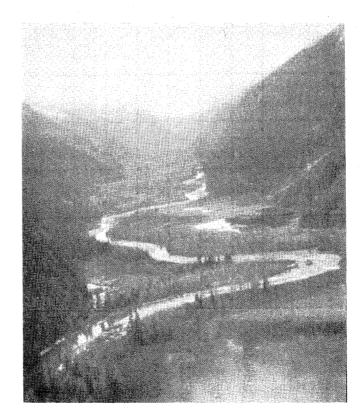
(1)	Mosses	
(2)	Algae	

Station No.	1								
Pool Size/Type	3/3								
Riffle Type Width-Depth	10'W 1'D								
Pool Riffle Frequency	3								
Bottom Type (Riffle)	5		-						
Color/Turbidity	1								
Velocity	3								
Flow (C.F.S.)	28.2								
Temp. (°F.)	48°								
pH	4.5								
Fry Abundance	0								
Benthos Sample No.									
Higher Plant Class	2								
Aquatic Veg. Density Ident. (1) Mosses	2								
(2) Algae	1					 		 	

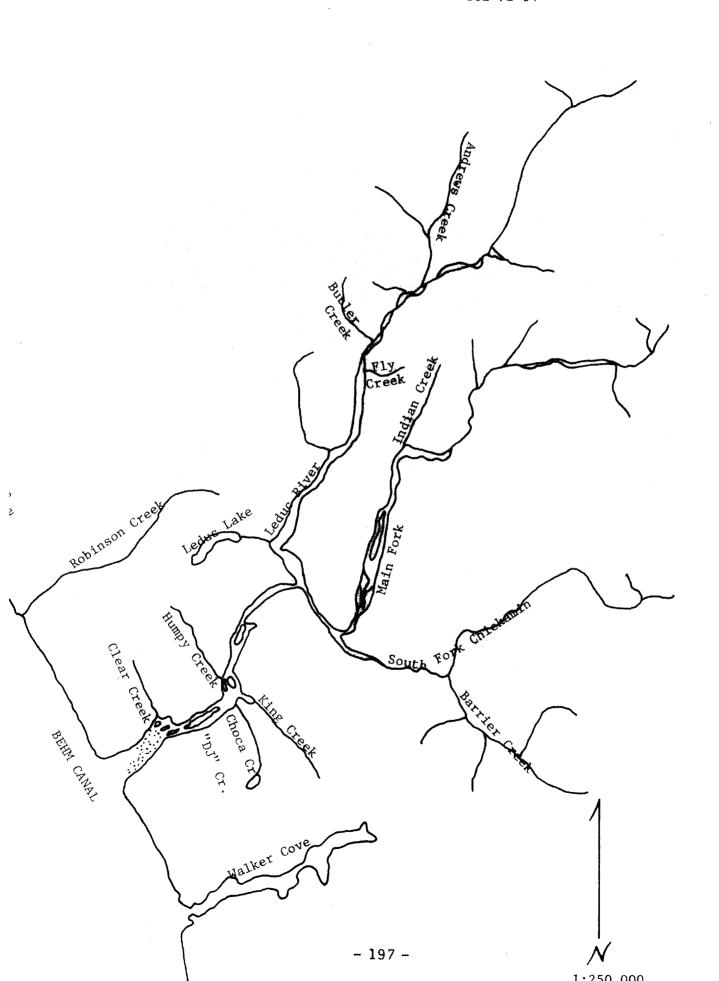
General Remarks (rehab., land use, barriers, log jams, etc.): Large boulders in steambed with many small waterfalls. Extremely limited spawning area (<5%). Subject to flooding - high water mark 2' above present stream level.



LeDuc River, upstream from junction with Chickamin River.

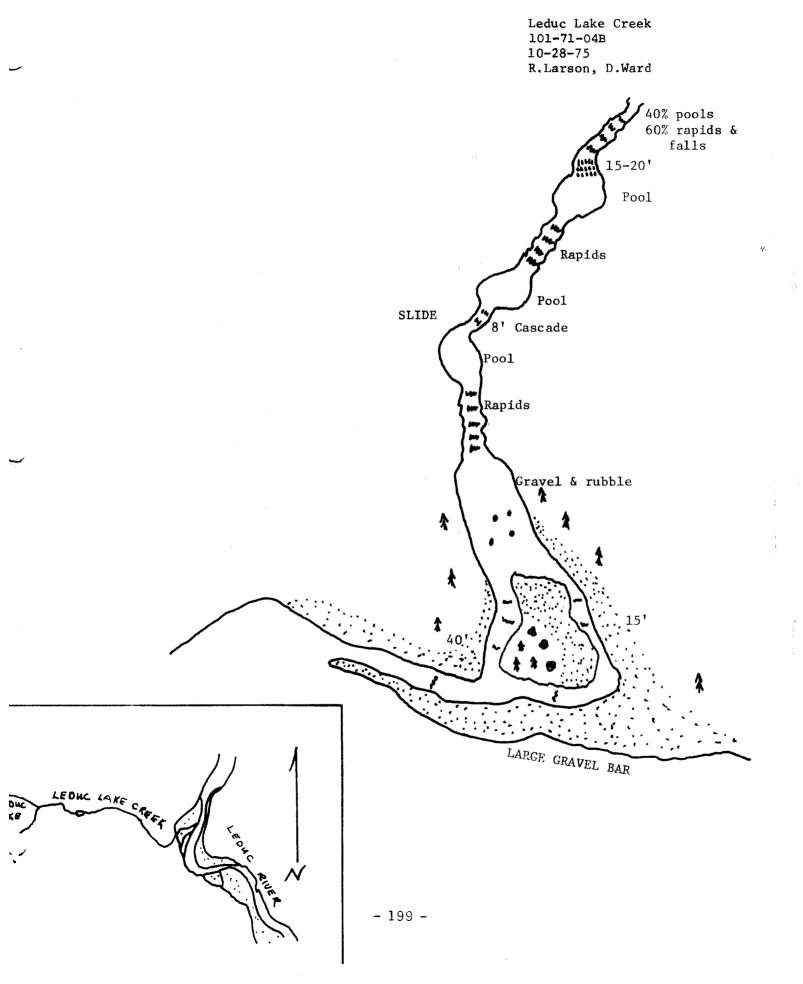


Chickamin River upstream from junction with South fork of Chickamin River.





LeDuc Lake Creek, Station #1 101-71-04B



Name <u>Leduc</u>	Lake Creek Catalog No. 101-71-04B
Latitude	Lake Creek Catalog No. 101-71-04B N 55° 55' 50" WR No.
Longituae	W 130° 48' 40" K NO.
Geodetic Map I	VO·Ketchikan D-3 Work Area Ketchikan
Location 2.5 mi	upstrm. Leduc R. Watershed Length 9 miles
Drainage Area	of Watershed 30 sq. miles
Water Supply :	Type Large lake fed by melting snow and precipitation.
	ey Routes <u>Right bank is easily walked to barrier falls.</u>
Aerial Survey necessary for	Notes <u>Clear water but some rubble in riffles makes close scrutiny</u> good enumeration.
Anchorage T	ributary of Leduc River.
Tide Stage Wh	en Surveyed
FISHERY RESOU	RCES
Commercial :	Fisheries King salmon. Probably pink, chum, and coho as well, but
not surveyed	except for kings.
Escapement_	Five year average 24 kings '69-75. High 85 kings 1972.
	$(400' \times 78' \times 60\% \text{ ASA})$ Spawning area = 1739 m ²
Species Com	position Only surveyed for king salmon.
Timing Prob	ably early.
Schooling a	reas Deep run below rapids and in pools below falls.
J	
Shellfish P	otential
Garage Walter	
Sport Fishe	ries Lake in drainage has good rainbow fishing possibly some Dolly
	inbow in river below falls.
Land USE at	Present Sports fishing in lake and goat hunting in area.
History of	Land Use Mineral exploration throughout drainage.
11100017 01	name obe mineral exploration throughout drainage.
Rehabilitat	ion Potential Barrier falls a short distance above mouth of
	mited spawning area above.
	e in lower section. Much evidence of slide in upper section.
GAME RESOURCES	
Bear	Fish carcasses or bones (old or fresh) on banks, estimate
2001	Number of droppings
Geece	Number seen on tide flats
uccec	Number seen up creek
	Number of broods seen
Mallards	Number seen on tide flats
The second control of	Number seen up creek
	Number of broods seen
Mergonsers -	Number of broods seen
	Number seen along creek
	Number of nests seen and location
Seals	Number seen at mouth of stream
	Estimate length along beach
	Estimate depth out from beach
	Eel grass present on what percent of flats
	men group production of racco

STREAM INVENTORY FORM

General Remarks (rehab., land use, barriers, log jams, etc.): 30% rubble, 70% gravel.

Aquatic Veg.

Density Ident. (1) Mosses (2) Algae

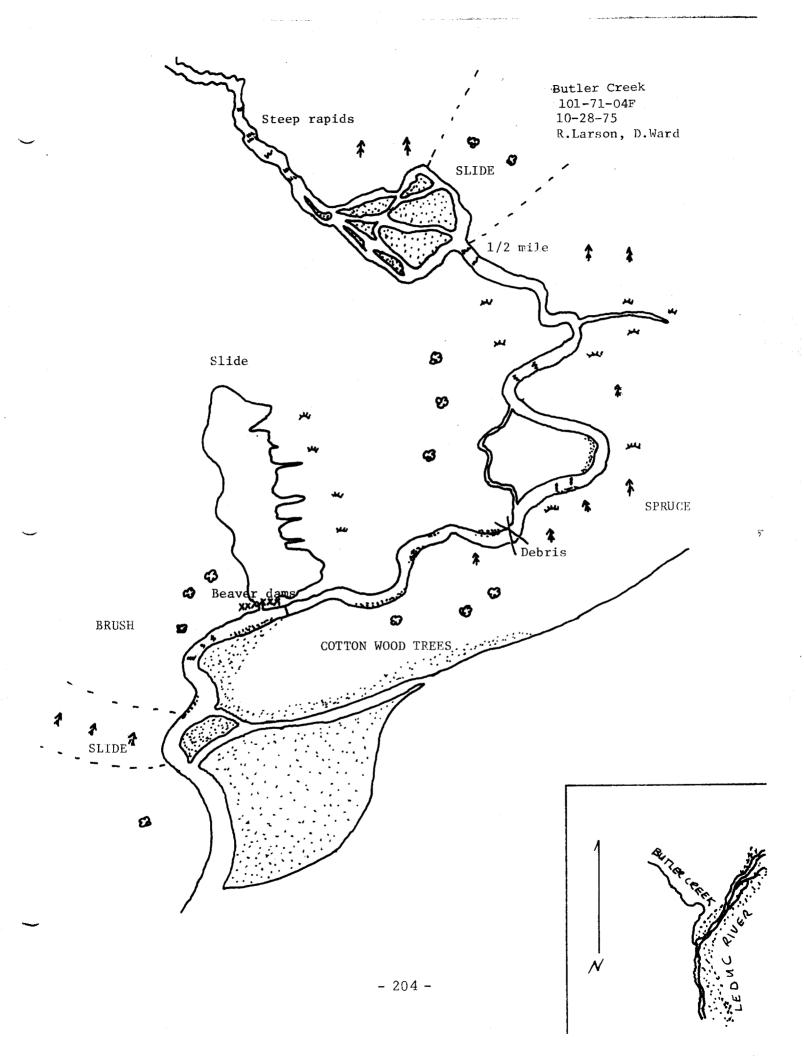
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Leduc Lake Creek

101-71-0				
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
	and the second s			
8-3-61	25	170	42 kings	
8-15-69	25		5 kings	
8-20-72	15	50	85 kings	
8-5-73		75	12 kings	
8-9-74			12 kings	
8-17-75		75	13 kings	
				,
				·
			000	
			- 202 -	



Butler Creek - 101-71-04F



NameButl	er Creek	Catalog No	101-71-04F
Latitude N	56° 02' 20"	WR No.	101-71-04F
Longitude W	130° 43' 20"	K No.	
Geodetic Map	No. Bradfield Canal A-3	Work Area Ke	tchikan
Location Lf.sid	e Leduc R. o	Watershed Leng	th 3.5 miles
Drainage Area	of Watershed 9 sq.	miles	th 3.5 miles
Water Supply '	Type Snow water, runo	f.	
Trails & Surv	ey Routes Stream eas:	ly walked the shor	t distance to the barrier.
Aerial Survey	Notes Good stream to	survey by air, bot	tom is not too dark and
little overhe	ad cover.		<u>.</u>
Anchorage			
	en Surveyed		
FISHERY RESOU			
Commercial	Fisheries <u>Unknown. P</u>	obably coho, pink,	chum and maybe king.
			$= 4064 \text{ m}^2$.
Escapement	(2500' x 35' x 50% AS	Spawning area	= 4064 m ⁻ .
Species Com	(2500' x 35' x 50% ASA position Unknown	1/	
opeoico com	poblication. official		
Timing Pro	hably carly-middle		
Schooling a	reas <u>At confluence wit</u>	h Leduc River	
Shellfish P	otential		
Sport Fishe	ries Limited. Should	be some Dolly Vard	en.
Land Use at	Present <u>None</u>		
History of	Land Use <u>Mining expl</u>	ration done in are	a
Rehabilitat	ion Potential None		
C-47- C-1	1	1.1	
50118 Stan	ie. Steep slopes are su	ect to snowstides	•
GAME RESOURCES			
Bear'	Fish carcasses or bones	(old or fresh) on	banks, estimate
	Number of droppings	(,, -,	,
Geese	Number seen on tide fla	ts	
	Number seen up creek		war and a grant and the sector of the design and a sector of the design and
	Number of broods seen		
Mallards		ts	A THE PARTY OF THE
	Number seen up creek		
	Number of broods seen		· · · · · · · · · · · · · · · · · · ·
Mergansers -	Number of broods seen		
	Number seen along creek		
-ومالكونات مسالم	Number of nests seen an	d location	
Seals	Number seen at mouth of		
	Estimate length along b		
1200 12200 -	Estimate depth out from		
	Charles Copper Out In Oil		

Number: 101-71-04F

Name: Butler Creek &

Observers: R.Larson, D.Ward

10-28-75

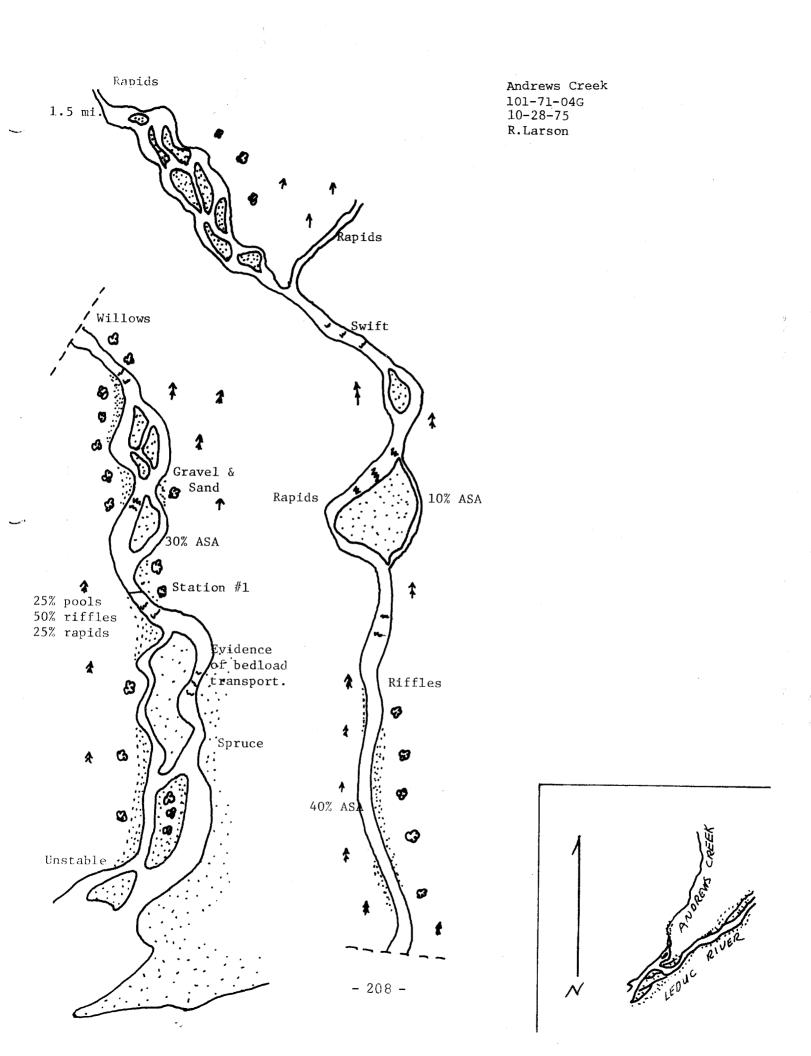
Temperature: 40°
Weather: Overcast.

					 	 	 	 	 ,
Station No.	1	·							
Pool Size/Type	2/2								
Riffle Type Width-Depth	36'W	-							;
Pool Riffle Frequency	3								
Bottom Type (Riffle)	4								
Color/Turbidity	1/1								
Velocity	2								
Flow (C.F.S.)	65.6								
00 Тетр. (°F.)	36°								
pl-i	4								·
Fry Abundance	0								
Benthos Sample No.									
Higher Plant Class	4								
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	3							,	

General Remarks (rehab., land use, barriers, log jams, etc.):

Butler Creek

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-3-61	60	15	77 kings	
1				
	,			
d Anna Rengin of Co.				
· · · · · · · · · · · · · · · · · · ·				·
!				
			- 207 -	



Name Andre	ws Creek	Catalog No	101-71-04G	
Latitude N	56° 05' 06"	WR No.		
Longitude W	130° 39' 30"	K No.		
Geodetic Map 1	No. <u>Bradfield Canal A-2</u> e Leduc R, 7 mi from head	Work Area	Ketchikan	
Location Lf.side	e Leduc R. 7 mi from head	Watershed Len	igth <u>8 mi. majo</u>	r trib. included
Drainage Area	of Watershed 28 sq	. miles		
Water Supply (Type <u>Melting snow</u> ,	glaciers, precipi	tation.	
				11.
	ey Routes Round, smoo	th, water and ice	worn rocks make	walking this
stream uncomfor	Notes Although the wa			
Aeriai Survey	rocks indicates that it	mer basems suits	turbid at times	me, SIIL
			tuibia at times.	
Auguorage				
Tide Stage Who	en Surveyed			
FISHERY RESOU	BCES			
	Fisheries <u>Unknown.</u>	May have pink, o	chum, king and coh	no although
	s much spawning area, fac			
	may affect quality. ESCA			
	(5,000' x 40' x 35%	ASA) Spawning are	$a = 6503 \text{ m}^2$	
Species Com	position <u>Unknown</u>			
*				
Timing Pro	bably early.			
Schooling a	reas In mouth of creek	k at confluence wi	ith Leduc River.	
Shellfish P	otential			
				· · · · · · · · · · · · · · · · · · ·
Sport Fishe	ries <u>Unknown, may have</u>	<u> Dolly Varden.</u>		
	D			
Land Use at	Present None			
Wistony of	Land Use Unknown. Mi	noral armioration	has been done in	naot
niscory or	Barid OSC Unknown. Hi	TELAT EXPIDIALION	nas been done in	Past.
Rehabilitat	ion Potential None			
1611401111040	Ton Toochold None			
Soils To	ocky with some braiding	occurring Dormet	ween hodland marror	mont overidont
UUTTU IS I	ncky with some braiding	DCCULING - DOWNSE	Tark Deathad move	HOHE CATOCHEA
GAME RESOURCES				
				•
Bear	Fish carcasses or bones	(old or fresh) o	on banks, estimate	2
	Number of droppings			
Geese	Number seen on tide fla	its		**************************************
	Number seen up creek			
	Number of broods seen	,		
Mallards	Number seen on tide fla	its		
	Number seen up creek			and the second s
3.6	Number of broods seen			Angelijke tile kantilenter om entre tilente kantilenter
	Number of broods seen			-
Bald Eagles—	Number seen along creek			And the state of t
(C)	Number of nests seen ar			Name and the state of the state
	Number seen at mouth of			
Tide flats -	Estimate length along t			
	Estimate depth out from		in the se	Control of the state of the sta
	Eel grass present on wh	imp hergeing or 179	೩೮೦	

Name: Andrews Creek

101-71-04G

Number:

Observers: R.Larson, D.Ward

Date: 10-28-75

Temperature:

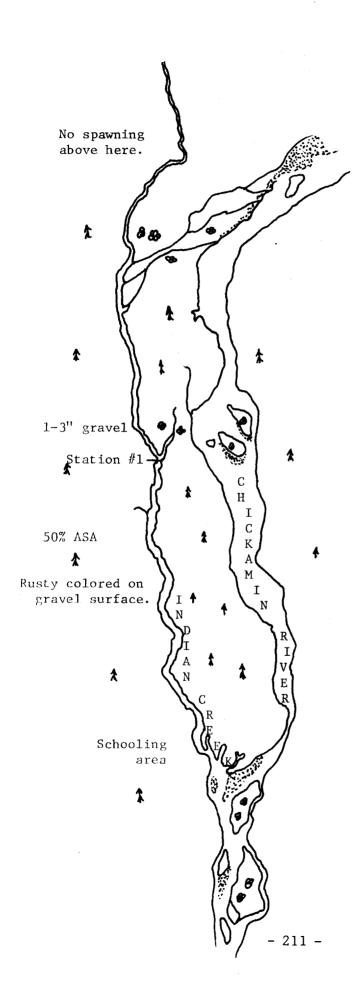
40° Weather: Overcast

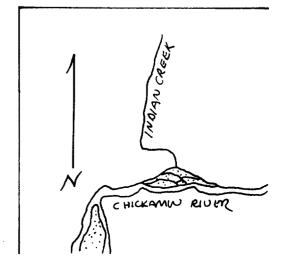
Station No. 1 Pool Size/Type 1/1 Riffle Type 43'W Width-Depth .9'D Pool Riffle Frequency 3 Bottom Type (Riffle) 4/5* Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 67.9 Temp. (°F.) 36° рΗ 5 Fry Abundance 0 Benthos Sample No. Higher Plant Cottonwoods & Spruce Class Aquatic Veg. 3 Density Ident. (1) Mosses (2) Algae

General Remarks (rehab., land use, barriers, log jams, etc.):

40% rubble and coarse gravel. 60% gravel. Looks as though it may be quite silty at times. No sign of adults observed.

Indian Creek 101-71-04K 10-28-75 R.Larson, D. Ward





Name Indian	Creek	_ Catalog No	101-71-04K
Latitude N	55° 40' 20"	_ WR No	
Longitude W	55° 40' 20" 130° 59' 10"	_ K No	
Geodetic Map 1	.○ Ketchikan D-2	work Area Ket	chikan
Iccation Lfr si	de main Fork Chickamin	_{Riv} Matershed Leng	th 4.5 miles
Drainage Area	of Watershed 6.5	sq. miles	
Water Supply 1	ype Snow water ru	noff and precipitation	on.
Trails & Surve	y Routes <u>Stream bar</u>	ks relatively easily	walked if water levels
Aerial Survey	Notes Several deep h	oles at lower portio	n of stream and dark rusty
colored bottom.	May mask some fish but	generally good.	
Tide Stage Whe	en Surveyed		
DICTIDDY DECCT	 		
FISHERY RESOU		coho major species	Pink and chum present in
		cono major species.	rink and chum present in
unknown numbe		500 saha 10 29 75	66 Intrace 9 12 75
scapement	2 (5000 - 50 - 50% AG	,500 cono 10-26-75.	66 kings 8-12-75. Spawni
	m ² (5000 x 50 x 50% AS		
Species Com	position		
Timing			
Schooling a	reas Several large	deep pools especiali	y in lower section.
Shellfish P	otential		
Sport Fishe	ries Good population	n or bolly varden, p	ossibly steelhead.
	- Vinc colm		
Land Use at	rresent King Salme	n egg procurement s	ite.
777 - 4	Land Use Mineral ex	ploration in area	
history of	Land Use Illierar Ca	profaction in area.	
Dahahalatat	ion Dotontial No.		
Renabilita	Ton rocentral Nor	e needed.	
	1 1	1 1 61 1 1	. C. Cl. J. J J. D. J.
Soils Sta	ble except where influe	enced by floodwaters	of Chickamin River.
GAME RESOURCES			
D	Etal compagae en hon	as (ald on freath) as	hombs octimate
gear,	Fish carcasses or bon	es (old or fresh) on	banks, eschiate
	Number of droppings		d a few bear tracks
Geese	Number seen on tide f	lats observed.	and the second s
	Number seen up creek		
	Number of broods seen		
Mallards		Lats	
	Number seen up creek		and the state of t
	Number of broods seen		مناهدة والمرافقة القيادة فالمرافقة والمرافقة و
Kergansers -	Mumber of broods seen		ويستوقه فالمستحدد والموادي والراران
Hald Hagles-	Mumber seen along cre	ek	an apparent control of the latter of the lat
	Number of nests seen		was any and the second
	Number seen at mouth		
Tide flats -	Estimate length along	beach	
	Estimate depth out fr	om beach	
	Hel grass present on	what percent of flat	5

Upservers: K.Larson, D.W STREAM INVENT Y FURM Date: 10-28-75 39° Name: Indian Creek Temperature: Weather: Overcast Number: 101-71-04K Station No. 1 Pool Size/Type 1/1 Riffle Type 52'W Width-Depth .5'D Pool Riffle Frequency 2 Bottom Type (Riffle) 4 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 26.4 Temp. (°F.) 39° рΗ 6 Fry Abundance 8-30 Benthos Sample No. Higher Plant

General Remarks (rehab., land use, barriers, log jams, etc.): Rusty colored bottom. Wolf and bear tracks on banks. Salmon bones on bank.

Class

Density
Ident.
(1) Mosses

Aquatic Veg.

(2) Algae

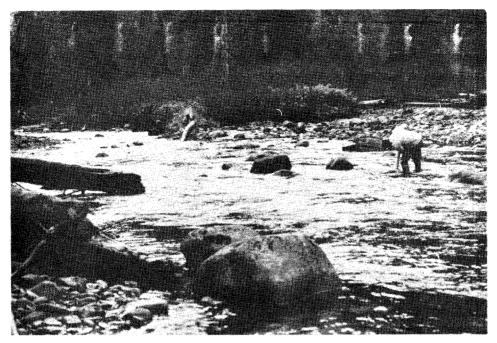
4 Cottonwood

1

2

Indian Creek

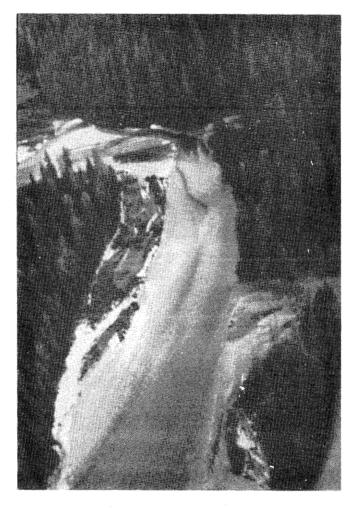
101-71-0	04K	AND THE RESIDENCE OF THE PROPERTY OF THE PARTY OF THE PAR		
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-28-61	2,500	1,500	4 kings	
				,
P. S. W. C. S.	7			
			- 214 -	



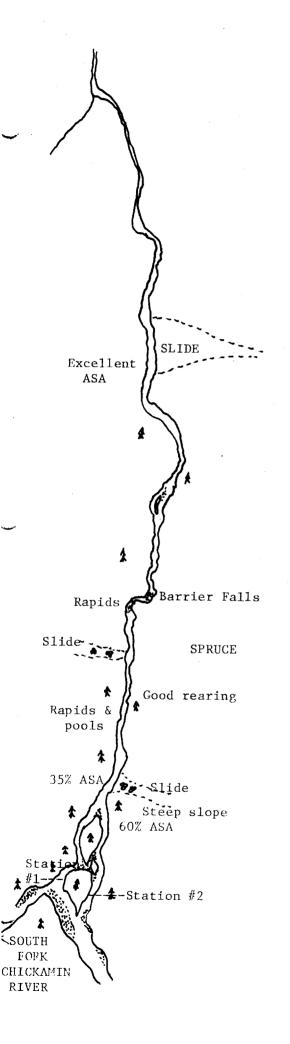
Barrier Creek, station #1



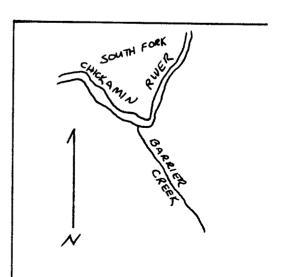
Barrier Creek, station #2



Junction of Barrier Creek with the South fork of the Chickamin River.



Barrier Creek 101-71-04Q 10-28-75 R.Larson, D.Ward



Name <u>Barri</u> Latitude N	ier Creek Catalog No. 101-71-040	·
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
Longitude <u>w</u>	130° 37' 42" K No. 44-4	
Geodetic Map 1	No. Ketchikan D-2 Work Area Ketchikan	
Location S.for	rk Chickamin River watershed Length 10.5 miles	
Drainage Area	of Watershed 32.3 sq. miles (polar planimeter)	
Water Supply '	No. Ketchikan D-2 No. Ketchikan D-2 Work Area Ketchikan Watershed Length 10.5 miles Of Watershed 52.5 sq. miles (polar planimeter) Type Snow water runoff and precipitation.	
Prails & Surve	ey Routes Stream can be walked at low water but has brus	
	arge boulders and logs.	
Aerial Survey	Notes Considerable portions of stream are swift with ma	ny rocks
and small pools	s. Fish on the riffles in the lower portion are seen easily	*
Anchorage <u>Strea</u>	am mouth can be reached by riverboat. (Trib. to Chickamin)	
Tide Stage Wh	nen Surveyed -	
FISHERY RESOU	JRCES	
Commercial chum, also co	Fisheries Important spawning area for king salmon.	Pink and
Escapement	Stream not often surveyed. Spawning area = 16,722 m ²	
0	(7500' x 60' x 40% ASA)	
Species Com	nposition <u>Most important species is king salmon.</u>	
Miming	T. T. T. A. A. a. a. t.	
Timing ear	ly - July, August.	
Schooling a	areas <u>Just off mouth in main river.</u>	
Challfich D	Potential -	
Shellish P	ovenual	
Chant Edgha	eries Dolly Varden present, may also have steelhead.	
Spore rishe	bolly varden present, may also have sceemead.	
Tand Ilaa at	t Present King salmon egg procurement site.	
Land use at	ring salmon egg procurement site.	····
History of	Land Use Unknown.	
miscory or	Dand ose outriowit.	
Rehabilitat	tion Potential <u>Extensive barrier falls would be very d</u>	1 f f i o :: 1 +
to ladder max	by be some good spawning area above falls.	TTTTCUTE
Coila Oui	te rocky, generally stable, except on steep slopes (subject	*
slides).	te rocky, generally stable, except on steep stopes (subject	LO SHOW-
SIIdes).		
GAME RESOURCES		
Rear	Fish carcasses or bones (old or fresh) on banks, estimate	
1201	Number of droppings several fresh tracks.	
Coogo	Number seen on tide flats	
Geese		
	Number seen up creek Number of broods seen	
Ma77a		
Mallards		
	Number seen up creek	
n r	Number of broods seen	~
	Number of broods seen	
Bald Eagles-	Number seen along creek	
	Number of nests seen and location	
	· Number seen at mouth of stream	,
Tide flats -	· Estimate length along beach	
	Estimate depth out from beach	
	Fel grass present on what percent of flats	

Observers: K.Larson, D.W(

General Remarks (rehab., land use, barriers, log jams, etc.): *50% rubble, 50% gravel.

101 Phw

(2) Algae

Grizzly Creek (Barrier Creek) 101-71-040

101-71-0	040	· · · · · · · · · · · · · · · · · · ·		
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-6-61	31	31	36 kings	
8-15-69	10		45 kings	45 in south fork of Chickamin.
8-20-72	<u> </u>	50	25 kings	12,000+ pinks & chums, 350 kings 8-9-72 in south fork.
8-5-73	110		12 kings	45 kings in south fork.
8-9-74			20 kings	107 kings in south fork of Chickamin.
8-17-75	11		9 kings	60 pinks, 115 kings in south fork
			- 220 -	
1	ì	1		

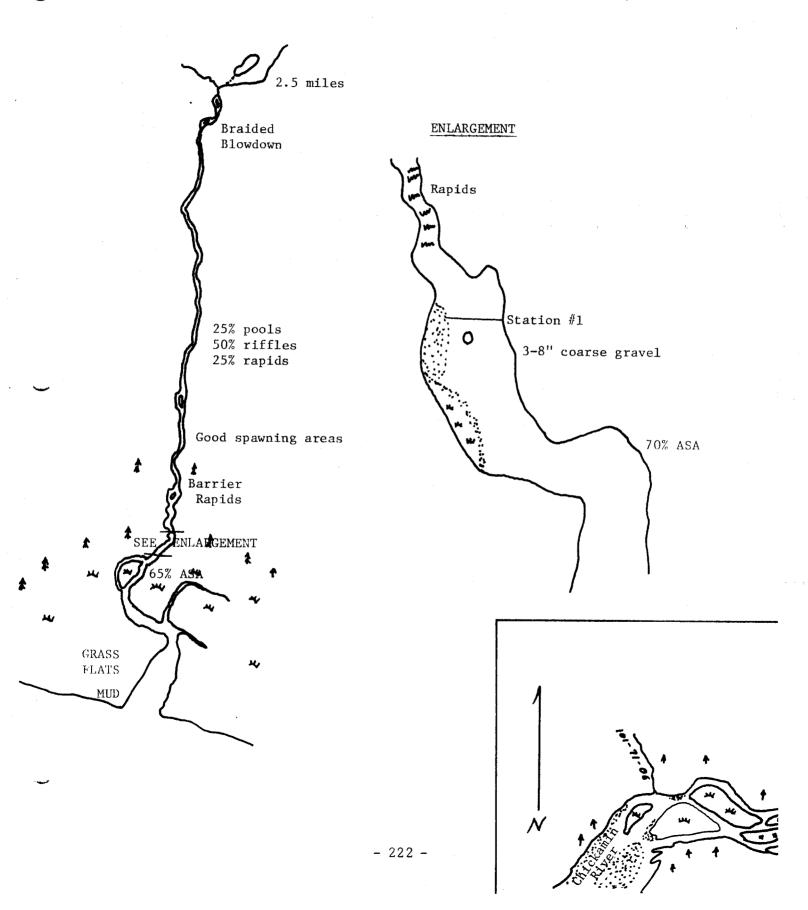


Clear Creek, Station #1



Clear Creek, Station #1

Clear Creek 101-71-06 10-28-75 R.Larson, D.Ward



Name <u>Clear Cr</u>	ceek Catalog No. 101-71-06	
Latitude <u>N</u>	55° 49' 27" WR No. 40A	······································
Longitude <u>w</u>	55° 49' 27" WR No. 40A 130° 55' 31" K No. 44-5	
Geodetic Map F	WO. <u>Ketchikan D-5</u> WOLK Area <u>Ketchikan</u>	
Location Lf.sid	le Chickamin R.3 mi E.Fish Watershed Length 3 mi	es
Drainage Area	of Watershed 4.9 sq. miles (polar planimeter)	
Water Supply T	Type <u>Precipitation and melting snow.</u>	
	ey Routes Not easily walked due to brush on banks	
section.	Notes Difficult to survey by air except for short	
Aeriai Survey	Notes <u>Difficult to survey by air except for short</u>	distance below
Anchonage S	nall boat directly in mouth.	
Hilotrorage 51	nail boat directly in mouth.	only officials that the field of the state of the second constraints are second and property and the second con-
Tide Stage Whe	en Surveyed <u>1/2</u>	
FISHERY RESOUR	RCES	
	Fisheries Pink, chum and coho. Spawning area for	pinks and chums
severly limite		
Escapement	Not often surveyed. 2100, 1966; 4000, 1972; 1200, 1	974.
•	(500'x30'x70% ASA) below falls. Spawning area = 97	5 m ² .
Species Com	position Mostly pink reported, unknown numbers of	coho pass upst ream.
-		
Timing Pink	and chums are early.	
Schooling a	reas in lower section of stream.	
Shellfish P	otential The Chickamin River delta has considerab	le numbers of crabs.
Sport Fishe	riesTrout present.	
		·
Land Use at	Present None	
History of	Land Use <u>Unknown</u>	
	ion Potential An evaluation of the rapids and fa	11
		is area on the
	should be made. rally stable, upstream shows signs of instability.	
Solls Gene	raily stable, upstream snows signs of instability.	
		•
GAME RESOURCES		
Bear	Fish carcasses or bones (old or fresh) on banks, es	timate 0
	Number of droppings	0
Geese	Number seen on tide flats	50
OCCDC	Number seen up creek	0
	Number of broods seen.	0
Mallards	Number seen on tide flats	20
12,110100	Number seen up creek	0
	Number of broods seen	
Mergansers -	Number of broods seen	
Bald Eagles-	Number seen along creek	
Data Daktap.	Number of nests seen and location	
Casle	Number of nests seen and location Number seen at mouth of stream	
Time Tiaus -	Estimate length along teach Estimate depth out from beach	
	Eel grass present on what percent of flats	And a finish of the second
	TRUE BUTTON DECISION OF SECTO DICEOUTE UP I CONT	

Number: 101-71-06

R.Larson, D.Ward Observers:

Date: 10-28-75

Temperature: Weather: 37°

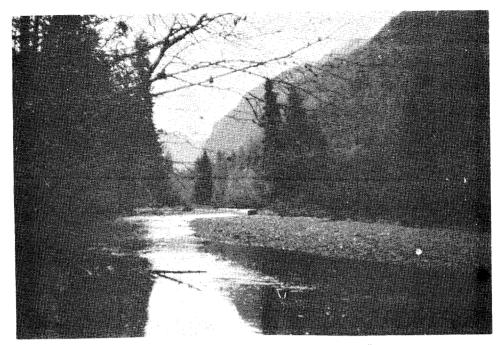
Overcast

					 		·	 	 	 1
	Station No.	1								
	Pool Size/Type	1/2						 		
	Riffle Type Width-Depth	31'W								
	Pool Riffle Frequency	3								
	Bottom Type (Riffle)	4								
	Color/Turbidity	1/1								
	Velocity	2								
ı	Flow (C.F.S.)	28.2							 	
224	Temp. (°F.)	41°								
1	pН	5					<u>-</u>			
	Fry Abundance									
	Benthos Sample No.									
	Higher Plant Class	2		-						
	Aquatic Veg. Density Ident.	3								
	(1) Mosses (2) Algae	2								

General Remarks (rehab., land use, barriers, log jams, etc.):

Clearwater Creek

101-71-06				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-19-47	10			Some chum, coho
8-4-49				Very good.
8-10-50	500	200		
8-11-51	800	50		
8-11-52	8,700	150		470 pink dead, 200 chum dead.
8-24-53				Poor. No pink. All season very unusual.
8-12-66	2,100			200 dead, visibility good.
7-31-72	4,000			Visibility excellent.
8-7-74	800			400 @ I.T. Visibility good.
	,			
To the second of				
	-			
			- 225 -	

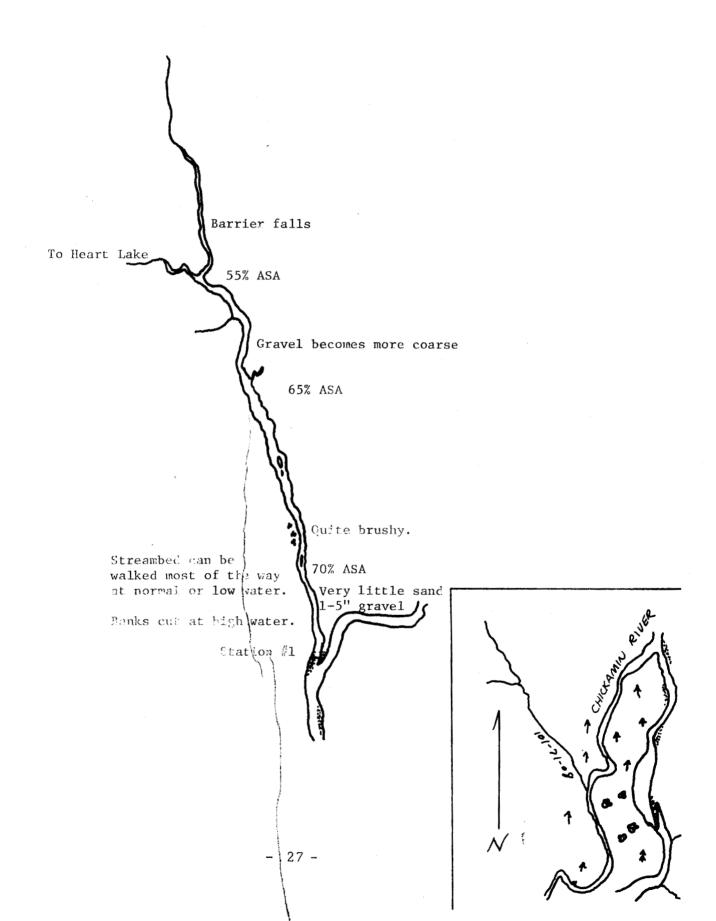


Humpy Creek, upstream from Station #1



Humpy Creek, Station #1 in foreground

Humpy Creek 101-71-08 10-28-75 R.Larson, D.Ward



Name Humpy C	reek	Catalog No. 101-/1-08	
Totatide N	55° 50! 13"	Catalog No. 101-71-08 WR No. 40	
Longitude W	130° 52' 13"	K No. 44-3	
Geodetic Map 1	lo. Ketchikan D-3	Work Area Ketchikan	
Location Left s	ide Chickamin River.	Watershed Length 7.5 i	niles
Drainage Area	of Watershed 17 sq.	miles (polar planimeter)	
Water Supply ?	ype Precipitation and	snow water runoff.	
Trails & Surve	y Routes Stream can	be walked along lower section	but considerable
windfall and sor	e beaver activity on upper	section.	T. Callet and a second
Aerial Survey	Notes Good for aerial	survey work in lower section	. Light colored
bottom and open	canopy.		. 1
Anchorage Tr	b. to Chickamin River. Sm	all skiff can be taken to mou	th of river.
Tide Stage Whe	en Surveyed		
FISHERY RESOU	 १८४८		
		est spawning stream in Chickam	in River system.
King coho n	nk and chum utilize stream	1.	
Escapement 1	gigh historic: 50,000 pink.	'56, 200+ kings - '57, 1961-	74 average 10,300
поосромот.	(8000' x 39' x 65% ASA)	Spawning area = 18.840 m^2	
Species Com	nosition Mainly pinks	with good coho and king poten	tial.
Timing Aug	ıst.	\	No. 100 Contract Cont
Schooling a	reas In slough at mouth a	and several pools in lower sec	tion of stream.
Shellfish P	otential		
Sport Fishe	ries Excellent for Dolly	y Varden may also have cutthro	at and steelhead.
Land Use at	Present None		· · · · · · · · · · · · · · · · · · ·
			
History of	Land Use <u>Unknown</u>		
	Tabandini N	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-t
		eeded physically. Good candid	ate stream for
stocking to r	build runs. t banks evident. No silta	tion problem oxident	
20112 CH	banks evident. No sitta	Ton problem evident.	**************************************
GAME RESOURCES			
Bear	Fish carcasses or bones (old or fresh) on banks, estim	ate
	Number of droppings	•	
Geese	Number seen on tide flats		
	Number seen up creek		
	Number of broods seen		
Mallards	Number seen on tide flats		
	Number seen up creek		
	Number of broods seen		
Mergansers -	Number of broods seen		
Bald Eagles-	Number seen along creek		
	Number of nests seen and	location	
Seals	Number seen at mouth of s		
	Estimate length along bea		
	Estimate depth out from b		
	Eel grass present on what		
		-	

Ubservers: R.Larson, D.Ward

Date: 10-28-75

Temperature: 39° Weather: Overcast

Name: Humpy Creek Number: 101-71-08

			INC	mber	TOT-/1	. 00	_	 	 		
Station No.	1										
Pool Size/Type	2/2										
Riffle Type Width-Depth	39'W										
Pool Riffle Frequency	3										
Bottom Type (Riffle)	4										
Color/Turbidity	1/1										1
Velocity	2										
Flow (C.F.S.)	48.2										
Temp. (°F.)	38°										
pH	5										
Fry Abundance	0	·									
Benthos Sample No.											
Higher Plant Class	1							·			
Aquatic Veg. Density Ident. (1) Mosses	3				·						
(2) Algae	2								 	 	

General Remarks (rehab., land use, barriers, log jams, etc.):

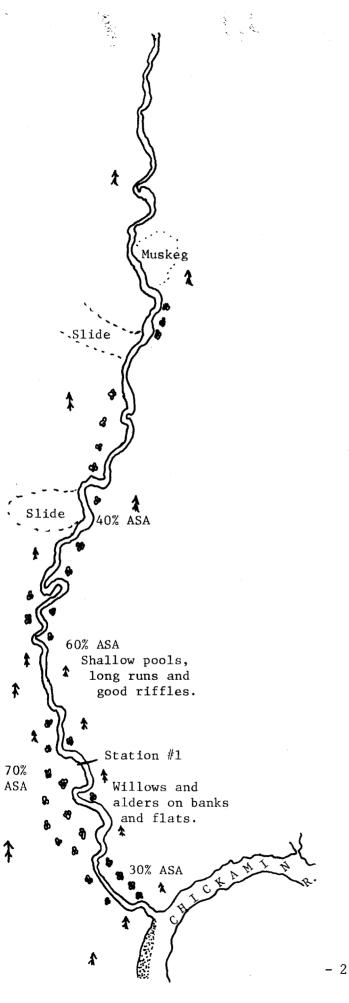
Very little sand in the gravel, beautiful spawning riffle.

Humpy Creek 101-71-08

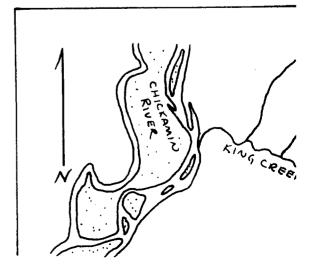
101-71-08				
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
7-19-49				12 chum at mouth.
8-10-50	10,000			Chum present.
8-11-51	17,200	150		660 dead pink, 60 dead chum.
B-11-52	10,800	26	several coho, 18 kings	380 dead pink, 127 dead chum.
8-1-53	1,714	939	1 red	
8-12-55	4,000	1,000		
8-13-56	50,000			5000 dead pink.
7-31-57	15,000		200 kings (8-19)	Some chum
8-9-60	4,000	1,000	2-3000 kings	
8-25-61	1,400			Schooled throughout stream. 800 at mouth.
8-17-62	7,400		150 kings	
8-13-63	11	0		11,000 @ mouth. Visibility good.
8-18-64	3,000	few		2000 @ mouth. Fish spawning, many dead.
8-16-65	100			4,500 pink & chum @ mouth. Vis. good.
8-12-66	23,200		few coho, l red, few kings	Visibility excellent. 2000 dead.
8-20-67	600	200		Visibility fair.
7-29-68	8,000	1,700	30 kings	Excellent visibility. 7000 @ mouth. Fish to falls.
8-21-69	4,300		7 kings	Vis. good. Fish all spawning.
8-18-70	10,500			300 @ mouth. Vis. good.
8-12-71	15,000	1,400		Visibility good.
8-9-72	8,900	5,000		2500 @ mouth. Vis. good.
8-4-73	12,300		14 kings	
8-15-74	12	,500		1000 dead. Vis. good
8-11-75	8,000	2,000	5 kings	Visibility fair.
	,			



King Creek, Station #1



King Creek 101-71-14 10-28-75 R.Larson, D.Ward



Name Kin	g Creek	Catalog No.	101-71-14	
Latitude N	g Creek 55° 50' 27" 130° 50' 52" No. Ketchikan D-3 ide Chickamin R. 6.7 mi. of Watershed 17.8 sq	WR No. 40-		
Longitude W	130° 50' 52"	K No. 44-2	·	
Geodetic Map 1	No. Ketchikan D-3	Work Area	Ketchikan	
Location Rt. s	ide Chickamin R. 6.7 mi.	fromtershed L	ength 9 miles	
Drainage Area	of Watershed 17.8 sq	.mi. Trap Pt.		
Water Supply !	Type Melting snow and	precipitation.		
Trails & Surve	ey Routes Banks quit	e brushy, stream	can be walked at low	water :
levels.				
Aerial Survey	Notes Light colored	bottom and clea	r water make for good	visibility.
Very little tre	e cover on lower section	•		
	ibutary stream to Chicka			
Dida Chara Ma	and Comments of			
_	en Surveyed			
FISHERY RESOU				
Commercial :	Fisheries <u>Pink, chum</u>	, king and coho.		
Fecanoment	Uich historia - 46 000	7 20 69 044 ***	ar are alreades	6 /20 E
year ave cin	High historic = $46,000$ ce $^{1}64 = 32,340$. Spawr	1-29-00. Odd ye	$\frac{ar}{a} = \frac{ave}{ave} = \frac{since}{ave} = \frac{65 - 6}{ave}$	3,42U. Even
Species Com	position <u>Important ki</u>	ne colmon stroom	Maior apostos da	5 ASA)
but considera	ble, though highly varia	hlo numbers of a	hum often procent	orne sarmon
Timing Ear	Ty - August	bre, numbers of C	num orten present.	
	reas At creek mouth.			
D01100111110 G	Teas			**************************************
Shellfish P	otential none			
Sport Fishe	ries Steelhead, Dolly	Varden, possibl	y cutthroat.	
Land Use at	Present None. Chic	kamin River drai	nage in proposed wile	derness area
History of	Land Use <u>Unknown.</u> M	ineral evalorati	on in the area	
Rehabilitat	ion Potential None n	eeded to increas	e fishery production	•
0.13				
	ally stable; mostly well			
movement evid	ent. Snowslides prevale	nt on some steep	slopes in the water	shed.
GAME RESOURCES				
Bear	Fish carcasses or bones			
	Number of droppings	A few tracks.	•	
Geese	Number seen on tide fla	ats		
	Number seen up creek			
	Number of broods seen			
Mallards	Number seen on tide fla	ats		
	Number seen up creek			
	Number of broods seen			
Mergansers -	Number of broods seen			
	Number seen along creek	2		
· · · · · · · · · · · · · · · · · · ·	Number of nests seen as	nd location		The second secon
Seals	Number seen at mouth of			THE RESERVE OF THE PROPERTY OF THE PARTY OF
Tide flats -	Estimate length along :	ceach		A COLUMN TO THE PARTY OF THE PA
	Estimate depth out from			
	Eel grass present on wi		lats	

Name: King Creek

Date: 10-28-75

39° Temperature: Weather: Overcast

Number: 101-71-14 Station No. 1 Pool Size/Type 1/1 Riffle Type 50'W Width-Depth .8'D Pool Riffle Frequency 2 Bottom Type (Riffle) 4 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 61 Temp. (°F.) 39° рΗ 5 Fry Abundance Benthos Sample No. Higher Plant Class 4* Aquatic Veg. 3 Density Ident. (1) Mosses (2) Algae 1

General Remarks (rehab., land use, barriers, log jams, etc.):

Superlative spawning area.

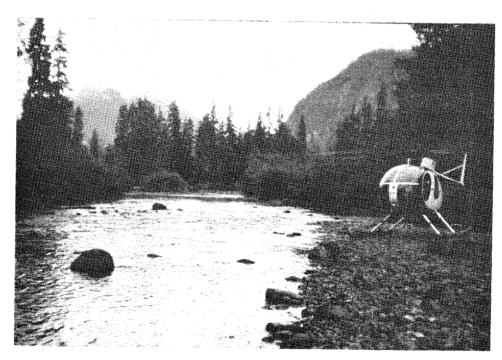
^{*} Willows and alders.

King (Salmon) Creek

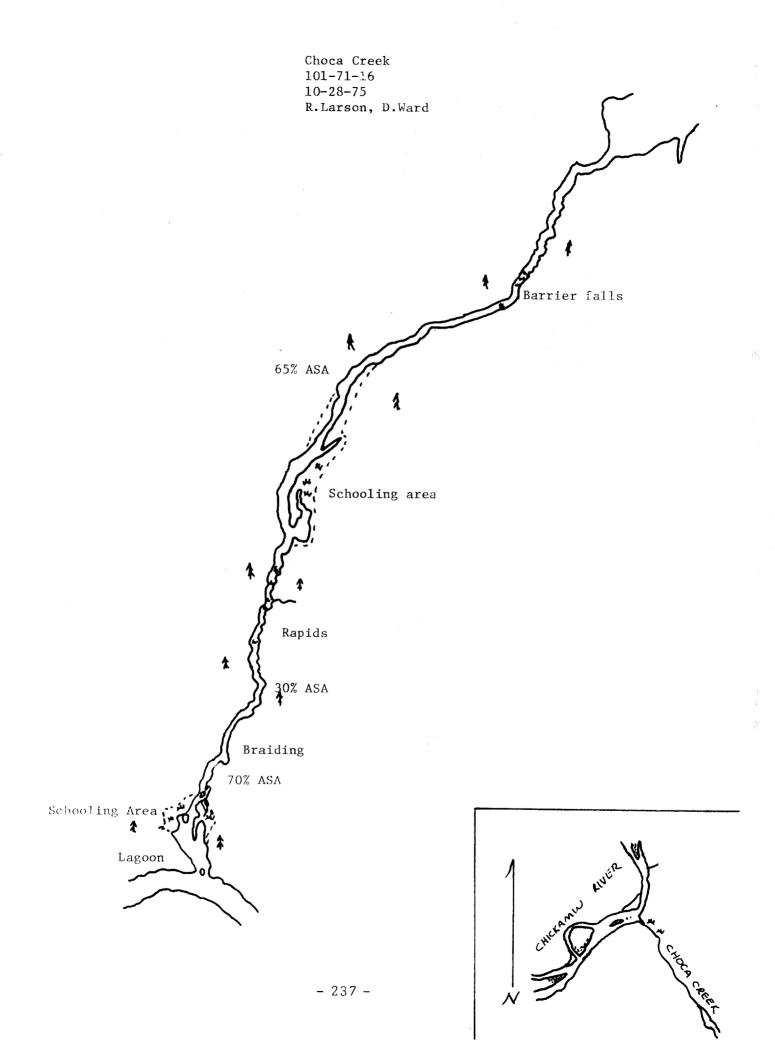
101-71-14	4			
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-5-49				Crowded conditions in late Aug.
8-10-50	3,000	500		Several dead pink. 2000 chum 8-21
8-1-51	13,600	200	22 kings	Several dead chum.
8-11-52	8,700	150	88 kings, several coho	Spawning peak.
8-10-53	320	160	Some coho	(2,500 chum 10-5). 10 dead pink, 35 dead chum.
8-12-55	4,000	1,000	500 kings	
8-13-56	35,000		73,000 kings	The great number of kings could be chums. >200 dead pinks.
8-11-57	26,000	(4,000 on 7-31)	500 kings on 8-19	
7-25-60	100			Fish schooled.
8-4-61	1,500	5,000		Biol. research crew.
7-31-62	14,000			Most schooled in lower stream.
8-3-63	1,200	3,200	few kings	Ex. vis. Chums spawning.
8-18-64	14,000	1,000		Fish spawning, many dead.
7-27-65	100	250	50 kings	Visibility excellent.
8-24-66	11,100	few	few king. good show of coho	Vis. good. Many dead, most spawning.
7-31-67	200	1,500	l coho	Visibility good.
7-29-68	39,000	3,900		7000 @ mouth. Vis. ex. Fish to head of river.
8 - 6-69	100	360	23 kings	Vis. fair.
8-4-70	34,6	00	kings present,	Visibility excellent. few dead.
8-12-71	1,100	2,000	coho present.	Few 100 dead. Visibility good.
7-31-72	29,000	7,200		Visibility excellent.
8-4-73	10,000	500	65 kings	
8-15-74	14.	,000		5000 dead, visibility good.
8-11-75	26,400	7,000	30 kings	Visibility excellent.



Choca Creek, upstream from Station #1



Choca Creek, downstream from Station #1



Name Choca Cree	k	Catalog N	o	101-71-16	
Latitude N 5	5° 49' 59"	WR No.	40		
Longitude W 13	k 5° 49' 59" 0° 51' 03"	K No.	44-1		
Geodetic Map No	. Ketchikan D-3	Work Area	Ket	tchikan	
Location Rt.side	Chickamin R. 6.2 mi. Tra	Watershed	Length	9 mi. majo	r tribs. include
Drainage Area c	f Watershed 14 sq.	miles			
Water Supply Ty	pe Two lakes fed with	melting snow	v and pro	ecipitation.	
Trails & Survey	Routes Streams bank	s are quite	hrushy.	hut streamhe	d can be walked
at low water le	vels.	die quite	DI GOIL)	Due Bereambe	d can be walk
Aerial Survey N	otes Light colored b	ottom and c	Lear wate	er provide go	od visability.
Lower section of	f stream has little over	head tree co	over.		
Anchorage Trib	. of Chickamin River.				
Tide Stage When	Surveyed				
_	-				
FISHERY RESOURCE		ndalı ohu	n and act	20	
Commercial F.	sheries King salmor	i, priik, ciidi	n and co	10.	
Escapement	Average odd year escape	monta 61-73	- 3 000	arra arran rra	or occa 61-73 -
18 000 High I	istoric = 23,000 pink, 4	000 chum	1950 Spa	wn area 1546	58 m ² (7500'v37'v
Species Compo	sition 85% pink. $10 ext{ o}$	hum. 5 king	and coh	n. arca 1940	60% ASA
op come	OJA PINAS IV		- MARKA - W. D. I.A.		111111111111111111111111111111111111111
Timing Augus	t.				
Schooling are	eas <u>In lagoon at lower</u>	end of riv	er and 1	arge flats be	ginning 1 mile
from mouth.					
Shellfish Po	cential				
Sport Fisher	es <u>Dolly Varden and</u>	cutthroat i	<u>n draina</u>	ge.	
Land Use at	Omogont N.				
Land Use at	Present None				
History of L	and Use Unknown.				
11150013 01 15	one one one				
Rehabilitati	on Potential Has ba	arrier falls	2.5 mil	es from mouth) <u>.</u>
Soils Stab	.e.				
					
GAME RESOURCES		•			
		/-2-2 0	1. \ \		
	lish carcasses or bones			inks, estimat	9
	Number of droppings Number seen on tide flat		cks.		
		5			
	Number seen up creek				
1710 102000	Tumber of broods seen	o			
	Number of broods seen Number seen on tide flat	S			
	Number of broods seen Number seen on tide flat Number seen up creek	S			
·	Number of broods seen Number seen on tide flat Number seen up creek Number of broods seen	S			
] Mergansers	Number of broods seen Number seen on tide flat Number seen up creek Number of broods seen Number of broods seen	S			
 Mergansers - Bald Eagles-	Number of broods seen Number seen on tide flat Number seen up creek Number of broods seen Number of broods seen Number seen along creek				
Mergansers - 1 Bald Eagles-	Number of broods seen Number seen on tide flat Number seen up creek Number of broods seen Number of broods seen	l locati on			
Mergansers — 1 Mergansers — 1 Bald Eagles— 1 Seals ————	Number of broods seen Number seen on tide flat Number seen up creek Number of broods seen Number of broods seen Number seen along creek Number of nests seen and	l location stream			
Mergansers — 1 Mergansers — 1 Mald Eagles— 1 Seals ———— Tide flats — 1	Number of broods seen Number seen on tide flat Number seen up creek Number of broods seen Number of broods seen Number seen along creek Number of nests seen and	l location stream each			

STREAM INVENTORY FORM

Name: Choca Creek

Observers: R.Larson, D.Ward

Date: 10-28-75

A Section of the second

Temperature: 37°

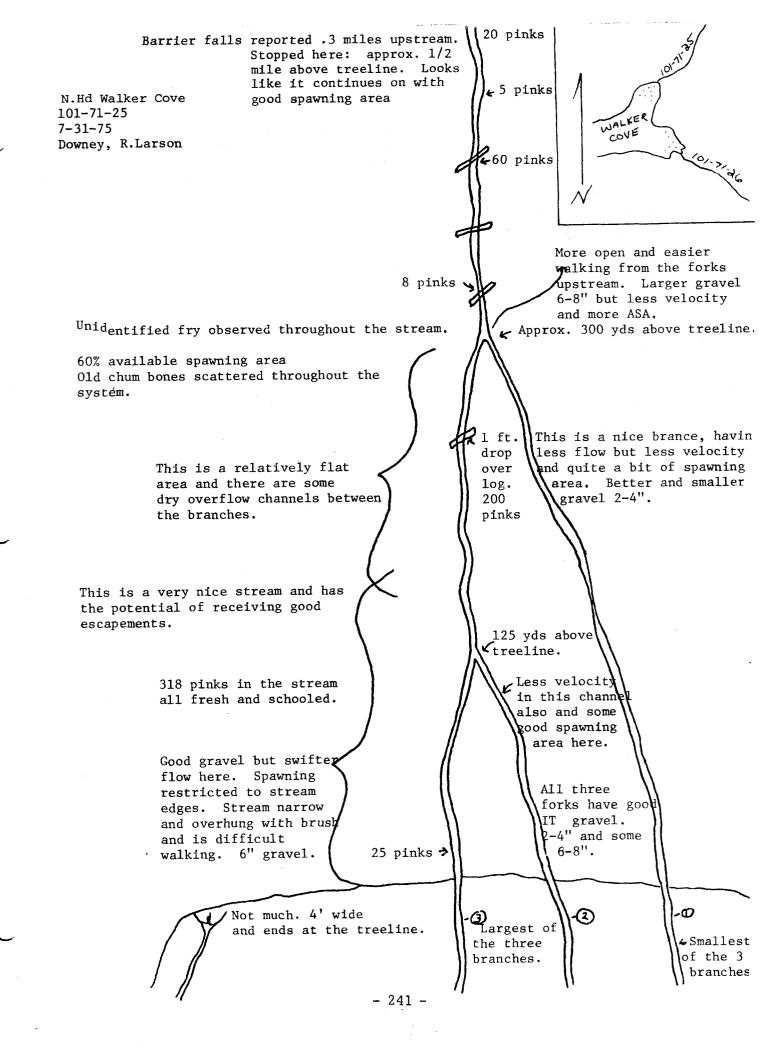
Weather: Overcast

				Nu	mber:_	L01 - 71-	-16	_	Ţ	Veather	:: <u>0v</u>	ercast	
Station No.	1												
Pool Size/Type	2/2												
Riffle Type Width-Depth	37' W					,							
Pool Riffle Frequency	3												
Bottom Type (Riffle)	4			,									
Color/Turbidity	1/1		-										
Velocity	2												
I Flow (C.F.S.)	49.3												
23 % Temp. (°F.)	39°				·								
r Fig	5												
Fry Abundance	0												
Benthos Sample No.	0												
Higher Plant Class	1												
Aquatic Veg. Density Ident.	1					-							
(1) Mosses (2) Algae	2												

General Remarks (rehab., land use, barriers, log jams, etc.):

Choca Creek 101-71-16

101-71-1	0			
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
9-5-49				Crowded conditions in late Aug.
8-10-50	23,000	5,000		Some dead chum, 300 dead pink.
8-11-51	15,000	400	several kings pre- sent.	80 dead pinks, 10 dead chum.
8-11-52	10,700	200	35 kings, few dead coho.	Spawning peak appears here. 100 dead pink.
8-10-53	1,610	250	5 king, 10 red.	
7-31-55	7,000			Some chum. Some dead chum, pink
8-13-56	20,000	5,000 on 7-29.		Many spawning in lower stream.
8-19-57	5,000			Some chum, dead chum. Many dead pink.
8-9-60	200			
7-25-61				4 at mouth.
7-31-62	7,000			Most in lower stream.
8-16-63	4,	100 mostly p	nks	Visibility good.
8-4-64	16,	300		Visibility fair.
8-16-65	500			Visibility good.
8-24-66	20,000	2,600	few king & coho	500 I.T. Visibility good. Fish spawning, many dead.
8-14-67	400	80		Visibility excellent.
8-19-68	10,800	1,000	coho, king present	6000 @ mouth. Few 1000 dead.
8-6-69	85	20		Visibility fair.
8-4-70	20	, 00		Visibility fair.
8-12-71	2,600	few		Visibility fair.
7-31-72	22,000		·	Visibility good.
8-17-73	11,600			Visibility good.
8-15-74	21	,000		4000 dead. Visibility good.
8-11-75	33,000	4,000	l king	Visibility excellent.



Name N. Hd.	Walker Cove	Catalog No.	101-/1-25	
Latitude	N 55° 45' 46"	WR No. 390		
Longitude	Walker Cove N 55° 45' 46" W 130° 42' 27" NO. Ketchikan D-3 r Cove N. Head of Watershed 4.5 sq.	K No. 43B		
Geodetic Map	NO. <u>Ketchikan D-3</u>	Work Area K	etchikan	
Location Walke	r Cove N. Head	watersned Leng	gtn3 miles	
Drainage Area	of Watershed 4.5 sq	miles		
Water Supply	Type <u>Small early snowfi</u>	lds and one small	lake, ground water.	pre-
cipitation.	ey Routes Although bar			
Trails & Surv	ey Routes Although bar	iks are extremely b	rushy streambed car	ı be walked
easily on norm	al or lower water levels	<u>Barrier falls re</u>	ported .8 miles fro	om Str. mouth.
Aerial Survey	Notes Stream has ligh	it colored bottom a	<u>ind clear water but</u>	<u>is so small</u>
	tream is screened by tree			
Anchorage A	t drop off in stream mout			
Tide Stage Wh	en Surveyed 2/3 fl	ood.		
FISHERY RESOU	RCES			
Commercial	Fisheries Pink,	chum and coho.		
Escapement	High historic 1972 - :	26,000		
Spawning are	a 3532 m ² . (4224'x15'x60	ASA)		
Species Cor	position 80% pink, 1	5% chum, 5% other	· · · · · · · · · · · · · · · · · · ·	
		770 Circuit 970 Cerice		
Timing Mi	ddle - August, September			
Schooling a	reas Upper intertida	L		
Shellfish H	otential Dungeness	erab at dropoff,		
				
Sport Fishe	ries <u>None</u>			
T	Present None			
Land Use at	Present None			
Eigtony of	Land Use Unknown			
HISCOLA OF	Land ose than the		·	
Rehabilitat	tion Potential None	needed for increas	sed fish production	on lower
stream. Fea	sibility of laddering, b	arrier falls could	be examined.	
	ial till - stable.			
00210			**************************************	
	,			
GANE RESOURCES				
UPUL TEROUTORIA				
Bear	Fish carcasses or bones	s (old or fresh) on	ı banks, estimate	<u>20 pk & ch.</u>
	Number of droppings			1
Geese	Number seen on tide fla	its		0
	Number seen up creek			0
	Number of broods seen			0
Pallards	Number seen on tide fla	ats		0
	Number seen up creek			0
	Number of broods seen			0
Mergansērs -				0
Bald Eagles-	Number seen along creek	ī.		0
C.F	Number of nests seen a	nd location		0
Seals	Number seen at mouth o	f stream		1
Tide flats -	Estimate length along	oeach .		300 yds
	Estimate depth out from			100 yds
	Eel grass present on wi		JS	0

STREAM INVENTORY FORM

Name: Walker Head

Ubservers: Downey, R.Larson

Date: 7-31-75

Temperature: 50°

Weather: Overcast

					**			0.5				WCathe	_ `			
					NU	mber:	101-71	- /2		T						
			3							ļ		 				
Station No.	1	2														
Pool Size/Type	2/2	2/2	2/2							 	 	 				
Pool Size/Type	2/2	2/2	2/2													
Riffle Type	16'W	19'W	17'W													
Width-Depth	.6'D	.4'D	1'D						_		 	+			1	
Widdi Bepai																
Pool Riffle													İ			
Frequency	3	3	3				 									1
riequerity																
Bottom Type											1					
(Riffle)	4	4	4					_		+		1.				1
•								Ì						ļ		
Color/Turbidity	1/1	1/1	1/1		<u> </u>		 		_						l l	
,					1				Ì					 		
Velocity	2	2	2													
						-				į						
Flow (C.F.S.)	8.5	4.7	14												}	1
4			ĺ										_			
1 1amp. (°f.)	46	45	45	<u> </u>				_							}	
			•		1		1		-							
pH	4.5						-	_						ļ.		Ì
	coho			'		[.						_		_
Fry Abundance	30	10	10				-	_								1
								1								
Benthos																
Sample No.				<u> </u>			-								1	
				1			1									-
Higher Plant			1		1	1		1								_
Class	1	1					-									
***		2	3													
Aquatic Veg.	2	2						~								
Density																
Ident.				1			-									
(1) Mosses	1	1	1	1												
(2) Algae	1 1					1 :			m 1 .	ina dar	calv (rovered	with	crabap	pie tr	ees.

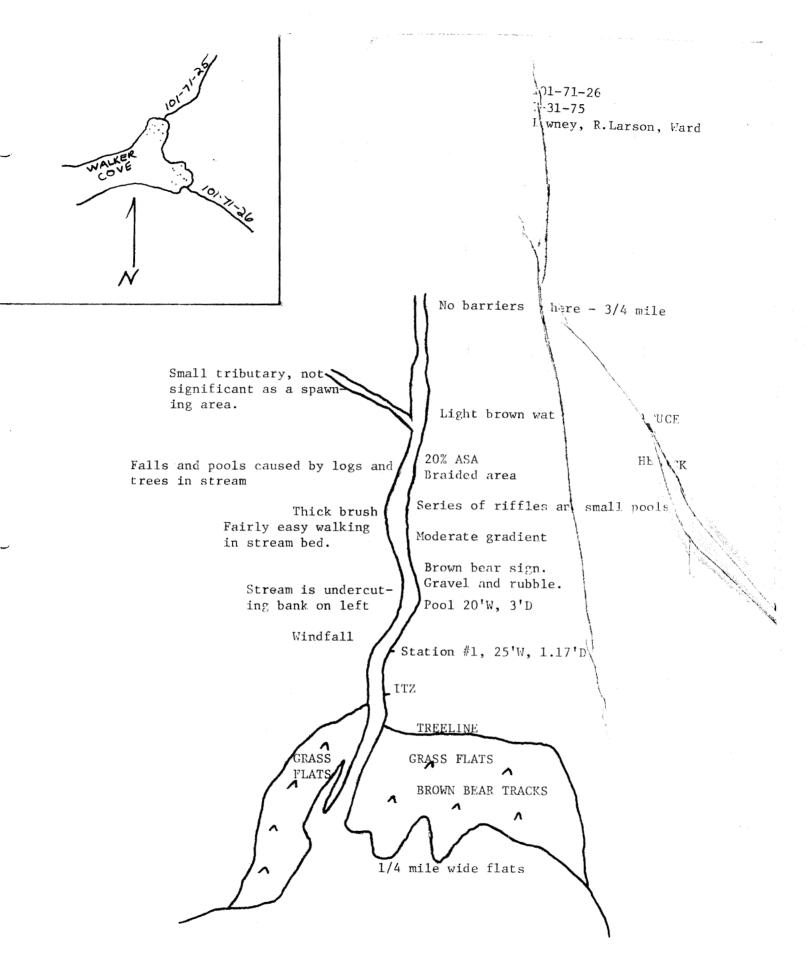
General Remarks (rehab., land use, barriers, log jams, etc.):

Treeline densely covered with crabapple trees. Stream is quite braided with very thick brush along lower portion (200 yds.).

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Walker Cove N. head 101-71-25

101-71-2	5 	p	processing the second some consumeration of the	4. * · · · · · · · · · · · · · · · · · ·
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-20-40	3,000	1,000		Fair.
9-29-41	2 ,7 50	250		Poor.
9-21-42	6,500	500		Excellent.
7-3-63				None observed. I.T.
7-8-64				Good visibility.
8-16-65				Good visibility.
7-27-70				3-4000 @ mouth.
7-19-71				50 pinks @ mouth.
7-24-72	26,000	few		3 schools @ mouth. Vis. fair.
8-15-74	900			Good visibility.
8-18-75	2,400	10%		1000 @ I.T., 3000 @ mouth. 5- 7000 along north bank in stream.
en en en en en en en en en en en en en e				
				·
* ************************************				
			244	
1	}	1	- 244 -	



Name	Cat	talog No.	101-71-26	
Latitude N	55° 45' WR	No.	43A	
Longitude w	55° 45' WR 30° 42' K I 0. Ketchikan D-3 World stream of Walker Cove	No.	39A & B	
Geodetic Map	VO. <u>Ketchikan D-3</u> Wol	rk Area	Ketchikan	
Drainage Area	of Watershed 7.5 sq. mi	iles		
Water Supply	Type <u>Early snow fields and</u>	l precipitat	ion fed.	
Trails & Surv	ey Routes <u>This stream ca</u> r	be fairly	easily walked in th	e streamhed.
Aerial Survey	Notes This stream has good	l visibil ity	and the valley has	adequate
width to permit Anchorage A	nerial survey. nchor off the mouth of the str	ream.		
	en Surveyed 2nd half of f			
		.1000.		
FISHERY RESOU				
Commercial	Fisheries <u>Pink, chum</u>			
Escapement	High escapement - 1973 - 7100	n Sna	wning area - 2/30 m	2
Hacapement_	(3500'L x 25'W x 30% ASA) No) homeione r	oaghod to 2500 C	
Species Com	position Unknown			
Timing Mid	Ilo - Augusti Sontombor			
Schooling a	l <mark>le - August, September.</mark> reas <u>There is some school</u> i	ing area in	the area just below	t the bigh tide
mark and in s	ome small pools in the lower s	stream.		- CHE HERI CAUC
Shellfish P	otential <u>Dungeness crab sa</u> n	npled off mc	outh of stream.	
Sport Fishe	ries <u>Cutthroat - Dolly Va</u>	rden		
Tand Hee at	Present None			The state of the s
. Land ose av	TTCBCITO None			
History of	Land Use Unknown	T		· · · · · · · · · · · · · · · · · · ·
Rehabilitat area.	ion Potential <u>Rehabili</u> ta	ation not ne	eded to increase fi	sh spawning
Soils The	stream is undercut and steep v	valley sides	create potential f	or further
erosion. Gla	cial valley.			
GAME RESOURCES				
Bear	Fish carcasses or bones (old	l or fresh)	on banks, estimate	0
	Number of droppings	Fresh	brown bear tracks	2
Geese	Number seen on tide flats			0
	Number seen up creek			0
1 5 7 7 7	Number of broods seen			0
Mallards	Number seen on tide flats			0
	Number seen up creek			0
Monagara	Number of broods seen			0
	Number of broods seen			0
rard ragres-	Number seen along creek Number of nests seen and loc	antion		0
Seals				0
	Estimate length along beach	adli		600 yds.
Tauc Ilaus -	Estimate depth out from beach	nh		250 yds.
	Eel grass present on what pe		atis	3%

Temperature: 50° Name: Weather: Overcast Number: 101-71-26 Station No. Pool Size/Type 3/1 Riffle Type 25'W Width-Depth 1.17'D Pool Riffle Frequency 3 Bottom Type (Riffle) 4 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 112 Temp. (°F.) 44° рΉ 4.5 Fry Abundance Benthos Sample No. Higher Plant Class 1 Aquatic Veg. 2 Density Ident. (1) Mosses (2) Algae

STREAM INVENIORY FORM

General Remarks (rehab., land use, barriers, log jams, etc.):

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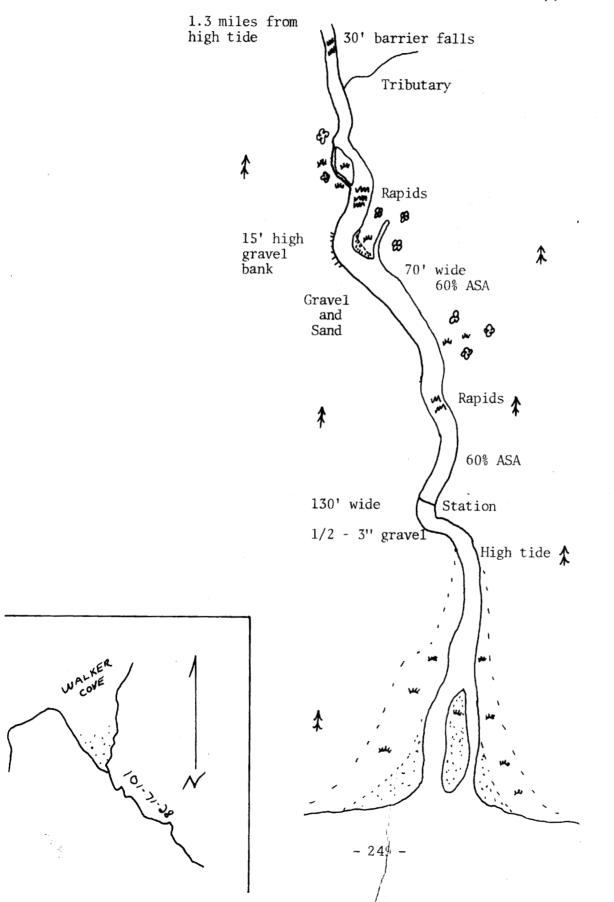
Observers: Downey, Ward, R.Larson

Date: 7-31-75

Walker Cove So. head

101-71-2	26	I		
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
10-10-28		3,000	7000 coho	
9-20-40	2,000	1,000		Poor
9-25-41	1,500	500		Poor
9-21-42	7,200	6,300		Excellent
9-26-47	50	700		·
10-11-48	300	2,500		Good
9-4-54	4,000		Some fresh coho.	Some chum.
9-10-55	400			
8-3-62	8,500			Most schooled.
7-27-70				Vis. excellent.
8-11-71				None observed.
7-24-72				4000 @ mouth & I.T. Vis. fair.
8-17-73	7,100			Visibility good.
8-15-74	6	5,000		Visibility good.
8-18-75	1,500			300 @ I.T., 2000 @ mouth. Vis. excellent.
				•
			- 248 -	

101-71-28 Walker Creek 7-31-75 Downey, Larson



Name: Walker Creek Latitude: 55° 43' 35"	Catalog No: 101-71-28 Former Stream No: WR 39:
Lacitude: 53 43 35 Longitude: 130° 45' 06''	K 43
Geodetic Map No: Ketchikan C-3	Work Area: <u>Ketchikan</u>
Location: South shore Walker Cove. 2.8	Watershed Length: 13 miles includ.trib.
miles from head.	Drainage Area: 25 sq. miles
	Water Supply Type:
Trails & Survey Routes: <u>Easily walk</u> recorded trails.	ed during periods of normal water levels. No
Aerial Survey Notes: <u>Excellent visib</u> bottom and little overhead cover.	ility. Stream is broad with a light colored
Anchorage: Good anchorage in bight off	stream delta.
Tide Stage when Surveyed: High.	
RESOUF	RCES
COMMERCIAL FISHERIES (species, esca	
Pink, chu, coho. Red and king salmon als	o reported. Excellent spawning facilities. jor spawning area begins above high tide mark.
23,000 1974; 30,000 1956 peak counts. Ma	jor spawning area begins above high tide mark.
Long intertidal area .9 miles.	
Spawning area: 15,607 m ² (4000'x70'x60%	ASA)
	s in frst section of stream above high tide
Snawning Areas: Major snawning area	begins .5 miles above high tide mark.
trajor spawiting area	Deg 113 . J marco convecting in citie mark.
SHELLFISH POTENTIAL: Unknown. Prob	pably dungeness crabs.
SPORT FISHERIES: Steelhead reported.	
LAND USE (history, present, propos	ed): <u>History unknown</u> .
DELIADITATION DOTENTIAL. Foscibi	lity of laddering falls should be explored.
	irry or raddering rarrs shourd be exprored.
SOILS: Stable.	
GAME RESOURCES (species, use, habi eagles, 20 seals at mouth of stream.	tat): 15 geese seen on tide flats. Two bald

					Na	me:t	Valker	Creek			Composi	iture:_		
					Nu	mber:	101-71	-28	 	\ 	veather			
Station No.	1													
Pool Size/Type	3/1													
Riffle Type Width-Depth	131'W 1'D													
Pool Riffle Frequency	3													
Bottom Type (Riffle)	4													
Color/Turbidity	1/1													
Velocity	2													
Flow (C.F.S.)	470													
Temp. (°F.)	46°	(58°	7-30	52)										
pl-f	5													
Fry Abundance	-													
Benthos Sample No.	-													
Higher Plant Class	1													
Aquatic Veg. Density Ident.	2													
(1) Mosses (2) Algae	2								 			<u> </u>	<u> </u>	

STREAM INVENIORY FURM

Unservers: Downey, Larson

Date: 7-31-75

General Remarks (rehab., land use, barriers, log jams, etc.): Larger type system. Excellent spruce along lower stream. Nice grass flats.

Walker Creek

101-71-28				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
10-10-28	7,000		3 coho	
8-16-33	10,000			Few chum
7-15-37				10,000 fish in stream.
9-15-38	1,000	1,000		
9-20-40				Poor pink showing. Water high.
8-10-41	6,000	250		Poor.
9-20-42	3,000	500		Fair.
9-26-47	30	1,000		.3 mile surveyed. Fair.
9-4-48				Chum, pink, fair.
9-2-51	8,200	150	2 red, 1 dead king	1,500 dead pink, few dead chum.
8-10-52	17,700			Few chum. 90% schooled.
8-1-53	3,750	210	l red	
8-23-54	9,000	2,500		Some dead pink, chum.
8-12-55	4,500			Some chum.
7-29-56	30,000			Some fish at mouth.
9-24-57		15,000		No pink observed. 5,000 chum @ mouth. (8-11 1500 pink)
9-1-60	300	100	20 king	(600 pink 7-30)
7-27-62	4,200			All spawning.
8-19-63	2,100			Visibility good.
7-30-64	16,000	2,000		
8-16-65	700			Visibility good.
7-25-66	7,700			Good vis. Fish schooled in upper stream.
8-21-67	250			Visibility fair.
7-29-68	18,700	300		Fish largely schooled. Vis. ex.
8-1-69	175		- 252 -	500 @ mouth. Visibility fair.

Walker Creek

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-4-70	11,	400		Vis. fair to good.
8-11-71	1,700			Visibility fair.
7-31-72	27,700			Vis. excellent. 4000 chum 8-9.
8-15-74	19,	000		4000 dead. Visibility good.
8-18-75	13,000	(2000+ 9-23)		Vis. excellent. 700 I.T.
*				
1				
:				
:				
:			- 253 -	

Both stream have large boulders in streambed and much large gravel - 2-8" with very little gravel less than 2". Average 5% available spawning area over entire lengths. Continues narrowing and steepening. Narrow chute area - no block. Traces of bedrock. 250 yds 3' falls, no block. above stream junction. Fairly flat gradient to point walked. Stream con't. Stream banks stable. in same manner **≠**probable block. 200 yds above Flows through debris stream junction. 🖁 Cascades no block HEMLOCK This fork not too diff 3' falls icult to walk. Difficult stream to Small tributary walk due to moderate 16'W, 6-8"D ČEDARS debris across stream and very brushy banks. Larger gravel (almost Very little gravel boulders size) 8-10". or sand evident. Large 2-3' boulders in streambed. 25 yds 90% ASA W +-Station #1 3-6" gravel intertidally 101-71-35 - 254 -

Name		Catalog No.	101-71-35	
Latitude	55° 37' 07" 130° 52' 58"	WR No.		
Longitude	130° 52' 58"	K No.		
Geodetic Map 1	^{∖O} ∙ Ketchikan -	work Area	-Ketchikan	
Location Behm (Canal E. Shore 4.2 mi N. Pt	wartersned Ler	igtn	
Drainage Area	of Watershed 2.1 sq. r	niles		
water suppry	Type Precipitation, small	ll lake on left	fork.	
Trails & Surve	y Routes Streambed	easily walked in	tertidally but becom	mes difficul
on both forks be	cause of moderate debris	across stream an	d brushy banks.	
Aeriai Survey	Notes The stream is to	o small and the	tree cover too thi	ck tor
An aeriai surve	but the intertidal zone	could be easily	done becuse of light	t colored
ANCHODACE: Vory	poor adjacent to creek. A	ashar large eref	t in Managarita on B	cover
Tide Stage Who	en Surveyed 1/2	ichor rarge crar	t in Manzanila of K	udyerd bay.
-				
FISHERY RESOU				
commercial.	Fisheries Pink (probal	3TA)	·	
Escapement	Spawning area = 2132 m^2			
	$(1275' L \times 20'W \times 90\% ASA)$	\		
Species Com	oosition Unknown			
Timing Unl	nown			
Schooling a	reas Unknown	,		
Shellfish P	otential None			
Onciliion i	None None		·	
Sport Fishe	ries None			
Land Use at	Present None			
History of	Land Use Unknown			
11100013 01	Edita obe of offenown			
Rehabilitat	ion Potential None			
general de glacer e les drags, un est grande qu'en de la company de la chemical de chemical de la company de l				
Soils Rocks	covered with thin layer of	moss and topsoi	l (stable).	
GAME RESOURCES				
Bear	Fish carcasses or bones (old or fresh) o	n banks, estimate	0
	Number of droppings			0
Geese	Number seen on tide flats	3		0
	Number seen up creek			0
N/+ 7 7 1 -	Number of broods seen	_		0
Mallards	Number seen on tide flats	3		0
	Number seen up creek Number of broods seen			0
Mergansêrs -	Number of broods seen			0
<u>~</u>				0
natu hagites-	Number seen along creek Number of nests seen and	location		0
Seale	Number seen at mouth of			0
	Estimate length along bea			0
TIUC IIAUD -	Estimate depth out from I			
	Eel grass present on what		ta	0
	THOR PROPER PROPERTY OUR MINT	o porcorro or rigo	.00	

Temperature: 54° Name: Weather: Overcast Number: 101-71-35 Station No. 1 Pool Size/Type 2/1 Riffle Type 25'W Width-Depth 1'D Pool Riffle Frequency 3 Bottom Type (Riffle) 4 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 17.1 Temp. (°F.) 48° рΗ 4.5 Fry Abundance Benthos Sample No. Higher Plant Class 2 Aquatic Veg. 2 Density Ident. (1) Mosses (2) Algae

STREAM INVENTORY FORM

General Remarks (rehab., land use, barriers, log jams, etc.):

(

Observers: Downey, R. Larson

Date: 7-31-75

Manzanita Creek 101-71-43 6-7-76 Jackinsky

TIDE AT TIME OF SURVEY: High

TREES: Cedar, spruce WATER: Clear, colorless

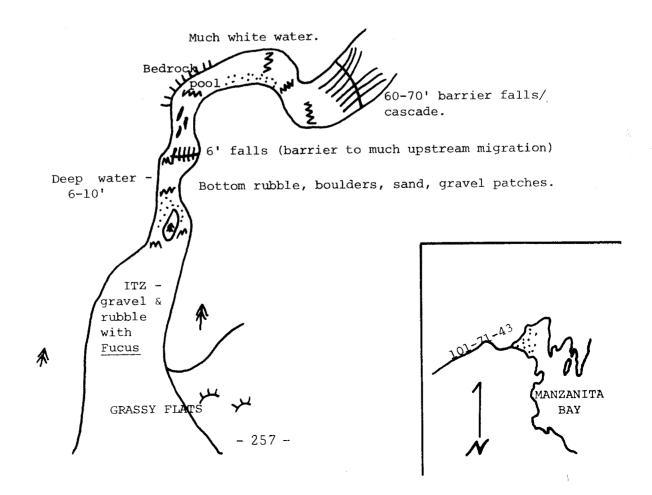
BANKS: Grassy, stable (bedrock and boulders)

SLOPE: Moderate to steep

FLOW: Torrential

SPAWNING AREA: 5% or less in stream (1/4 mile).

Most spawning in ITZ.



Name: Manzani	ta Creek	Catalog No.: 101-71-43
Latitude:	ta Creek 55 35' 46"	WR No.: 74
Longitude:	130 58' 37"	K No.: 74
Geodetic Map No.	: Ketchikan D-3	Work Area; <u>Ketchikan</u>
	E.Behm Canal head	
Manzanita Bay.		Drainage Area: 77 sq. miles
Water Supply Typ	e: 1600 acre lake and	tributary system fed by precipitation.
		be walked to the barrier falls and there is a
		station at the mouth and from the cabin on beach
Aerial Survey No	tes: The intertidal a	rea can be surveyed at low tide but the remainder
		to be satisfactorily done by air.
Anchorage: The:	re is an anchor bouy in	the bay.
	Surgeoved. 2/3 flood	
Tide Stage when	5011 Veyeu. 2/3 1100u.	
FISHERY RESOURCE	S	
Commercial Fis	heries: Spawning	acilities restricted to upper intertidal and sho
upstream section	on below barrier falls.	Major species is pink, chum also utilize stream
Escapement:	9-27-49 4,000 pink, 1	000 chum. 1320'x5% ASA) ITZ (140'x600'x30% ASA)
Spawning area:	2954 m² (100':	(1320'x5% ASA) ITZ (140'x600'x30% ASA)
Species Compos	cition: Chums compromis	se between 2 and 25% of total run, pinks the
remainder with	iew conos.	Come figh progent by and of Turnet
Timing: Late	s - September, October.	Some fish present by end of August.
Schooling Area	is: Pools in the upper	intertidal zone.
	Cood dungen	ag grab fighing and alam digging in Manganita
	ential: Good dungen	ess crab fishing and clam digging in Manzanita
Bay.	Even llont trout	Fighing in Take
Sport Fisherie	es: Excerrent trout	Fishing in lake.
Tana 7 Mars at Da	resent. Recreation	
Land Use at P.		
History of La		
Rehabilitatio	n Potential: Has barr	ier falls which should be examined.
an ang and the state of the sta		
Soils: Stable	•	
and the second s		
GAME RESOURCES	T's become on hone	s (old or fresh) on banks, estimate
Bear		S (Old of fresh) on banks, estimate
_	Number of droppings	ato
Geese	Number seen on tide fl	dus
	Number seen up creek Number of broods seen	Recognitions on subdiggraph substituted on
.	Number of broods seen Number seen on tide fl	ats 7
Mallards		acs
	Number seen up creek Number of broods seen	Name as an of the region production of the region of the r
	Number of broods seen	Space on distribution of a child regularity of the strategies of t
Morgansers -		ak 1
Bald Eagles-	Number seen along cree Number of nests seen a	programmy and the same description of the same description.
Conle	Number of nests seen at mouth	He Tocacton
Seals		hoadh
Tide flats -	Estimate length along	
	Estimate depth out from Eel grass present on the	that percent of flats
	ter grass bresent on a	muc percent of alace

Temperature: 61 Name: Manzanita Creek Weather: Overcast Number: 101-71-43 Station No. 1 Pool Size/Type 2/1 Riffle Type 145'W Width-Depth 1.7'D Pool Riffle Frequency 3 Bottom Type (Riffle) 4 Color/Turbidity 2/2 Velocity 2 (1) 10 year average Flow (C.F.S.) 454 (dfs) 498 Temp. (°F.) 57 рΗ 5 Fry Abundance Benthos Sample No. Higher Plant Class 1 Aquatic Veg. 3 Density Ident. (1) Mosses (2) Algae

General Remarks (rehab., land use, barriers, log jams, etc.): Fish present in IT zone, but could not estimate number accurately.

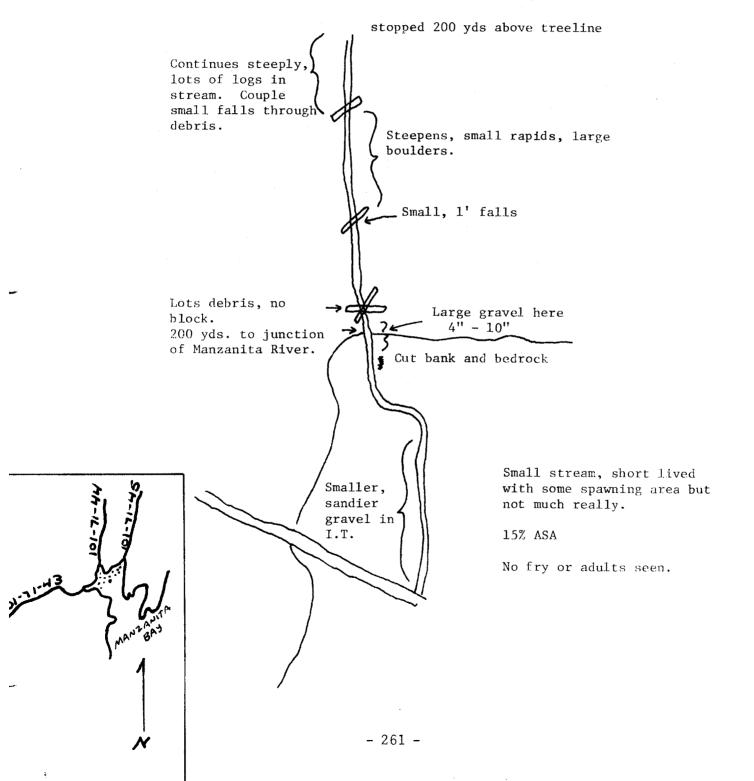
(

Date: 8-20-75

Manzanita Bay

DATE PINK CHUM OTHER SPECIES REMARKS	i.
DATE PINK CHUM OTHER SPECIES REMARKS	
9-26-46 Fair.	
8-21-47 None observed.	
9-27-49 4,000 1,000	
9-16-52 300 8	
8-31-53 47 110	
8-9-57 1,900 200	
8-8-63 Vis. good. None obs. I.	T.
	-
	,
	!
- 260 -	

Cut Bank Creek 101-71-44 8-20-75 Downey, R.Larson



Name Cut Ba	ank Creek		101-71-44	
Latitude	Variables 0.2	WR No.		
Longitude	Y	K NO.		
recaelic Map i	vo. Ketchikan C-3	WOLK ALEG	Ketchikan	
Location Manza	nita Bay - Back Behm Cana	il water siled	nergen 2.25 miles	
Water Supply	of Watershed Type Precipitation.	runoff' nosei	hly enrings	No. of
Madde Ouppay	The state of the s	+ MANY+ + 1 KYSR+	Matter I was the Kind had been the common as a second was a second of the second of th	
Trails & Surve	ey Routes No establ	lished trails	- walk in the stream.	
Aerial Survey	Notes Too small wit	th overstory to	o aerial survey.	
Anchorage	Buoy in Manzanita Bay.			
Afficiation age	buoy in nanzanita bay.			
Tide Stage Wh	en Surveyed 1/3 flood	i tide.		
FISHERY RESOU				
Commercial	Fisheries <u>Unknown</u>			
o o minor o race				
Escapement	0 adults on 8-20-75.			
-	(900' x 25' x 15% ASA	A) Spawning a	$rea = 314 \text{ m}^2.$	
Species Com	position <u>Unknown</u>			
Timing U	alen over			
Schooling a	reas Off the mouth			
00110022110	OII OII MOULI			
Shellfish P	otential Good - (extensive flat	s here. Good crab fis	hing and shell
fish.				
Sport Fishe	ries None - pretty sm:	<u>al1</u>		· · · · · · · · · · · · · · · · · · ·
Tand Hea at	Present None			
Land use au	rreserre None	**************************************		
History of	Land Use None			
Rehabilitat	ion Potential None	- too small		
	11 11 - 3			
5011S Sta	ble to the point walked.			
				·····
GAME RESOURCES				
Bear	Fish carcasses or bones	, (old or fresh	n) on banks, estimate	0
0.000	Number of droppings	. 		0
Geese	Number seen on tide fla Number seen up creek	:05		0
	Number of broods seen			0
Mallards	Number seen on tide fla	ts		0
	Number seen up creek			0
	Number of broods seen			0
Mergansers -	Number of broods seen			0
Rald Eagles-				0
0. 3	Number of nests seen ar			0
	Number seen at mouth of			. 0
Tide Ilats -	Estimate length along t			
	Estimate depth out from Eel grass present on wh		' flats	
	Ter Brass brasette off Mr	ero ber cetto or	TEGOS	

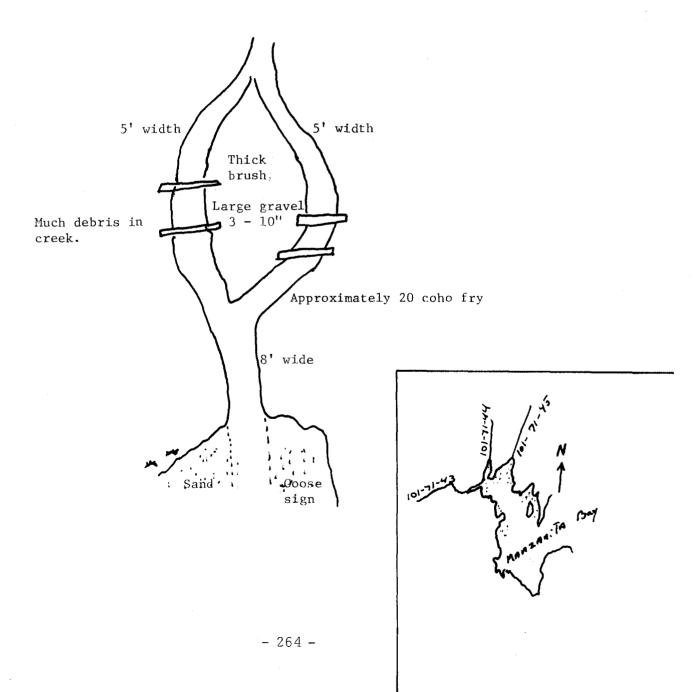
61°

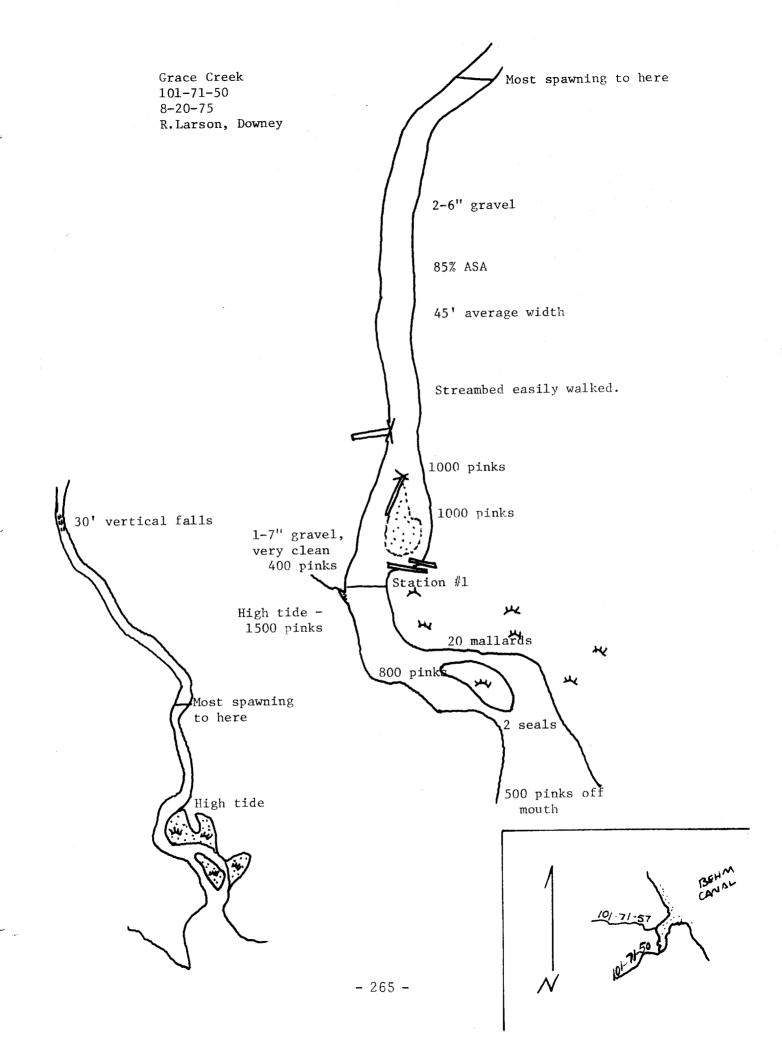
		l	1								
	Station No.	1									
	Pool Size/Type	1/2		:						 	
	Riffle Type Width-Depth	25'W .7'D						·			
	Pool Riffle Frequency	3									
	Bottom Type (Riffle)	4									
	Color/Turbidity	1/1									
	Velocity	2									
1	Flow (C.F.S.)	19.3									
- 263 -	Temp. (°F.)	51°									
•	pH	4									
	Fry Abundance										
	Benthos Sample No.										
	Higher Plant Class	1									
	Aquatic Veg. Density Ident. (1) Mosses (2) Algae	3					,				
	(4) Aigae	L _			1	 	 	 			

General Remarks (rehab., land use, barriers, log jams, etc.):

Northeast Head Manzanita Bay 101-71-45 R. Larson 8-75

This is a very small stream with limited potential but is large enough to support small populations of both pinks and coho. It has 20% ASA but with considerable debris present in the creek and 3-10" gravel. It has a drainage length of 1 mile and the water is clear. No past records have been found that mention this stream. Limited spawning and rearing area available.





Name Grace (Creek Catalog No. 101-71-50 55° 35' 46" WR No. 75 130° 58' 37" K No. 75	
Latitude N	55° 35' 46" WR No. 75 30° 58' 37" K No. 75	
Longitude W 1	.30° 58' 37" K No. 75	
Geodetic Map	No. Ketchikan C-3 - Work Area - Ketchikan	
Location W.side	E.Behm C., 4.2 mi.SW Ledgershed Length 16 miles	major trib.
Drainage Area	of Watershed 53 sq. miles	1
Water Supply	Type Early snowfield, precipitation fed with 1,700 acre la	ike.
Trails & Surv	ey Routes Stream is easily walked at normal water levels	to the barrie
	also a forest service trail that leads to the lake.	
Aerial Survey	Notes Visibility is generally good but stream should be v	alked prior
	rvey to become knowledgeable of schooling area for accurage	enumeration.
Anchorage Ar	exposed anchorage in mouth of stream at drop off.	
Tide Stage Wh	en Surveyed 2/3 flood.	
FISHERY RESOU	RCES	
Commercial	Fisheries Pink & chum. Few coho adults observed in passurs in first .3 miles above high tide.	st years, most
spawning occu	ers in first .3 miles above high tide.	
Escapement	8,000 9-1-64. 4,500 pinks 8-20-75. High Historic: 9-49, 31	,000 pink,
8,000 chums.	Spawning area = 8410 m^2 . $(850' \times 50' \times 60\% \text{ ASA})$ upstream: position 80% pink, 19% chum, 1% other	(1700' x
Species Com	position 80% pink, 19% chum, 1% other	45' x 85% ASA)
Timing Mic	ldle - August, September,	
Schooling a	reas at mid-intertidal.	
Shellfish P	otential <u>Unknown</u>	
Sport Fishe	ries Trout in lake and creek.	
Land Use at	Present Sports fishing.	
History of	Land Use Unknown	
Rehabilitat	ion Potential Is a barrier falls that should be examine	ed.
Soils Upper	r streambanks are steep and lower stream banks are low and br	road. They
seem quite s	table.	
GAME RESOURCES		
Bear	Fish carcasses or bones (old or fresh) on banks, estimate	0
Coore	Number of droppings 1 bear sighted. Number seen on tide flats	0
Geese	Number seen up creek	0
	Number of broods seen	0
Mallards	Number seen on tide flats	20
. 202.101 O()	Number seen up creek	0
	Number of broods seen	0
Mergansērs -	Number of broods seen	2
	Number seen along creek	4
	Number of nests seen and location	0
Seals	Number seen at mouth of stream	. 2
Tide flats -	Estimate length along beach	0
	Estimate depth out from beach	0
(1 hrand hand	Eel grass present on what percent of flats	0
(1 brood harl	equin ducks)	

Date: 8-20-75 Temperature: Name: Grace Creek Weather: Overcast Number: 101-71-50 Station No. 1 Pool Size/Type 2/1 Riffle Type 61'W Width-Depth 1.6'D Pool Riffle Frequency 3 Bottom Type (Riffle) 4 Color/Turbidity 1/1 Velocity 2 (1) 400 cfs Water powers Southeast Alaska Flow (C.F.S.) 250 10 year average Temp. (°F.) 58° рΗ 5 Fry Abundance Benthos Sample No. Higher Plant Class 1

STREAM INVENTORY FORM

General Remarks (rehab., land use, barriers, log jams, etc.):

3

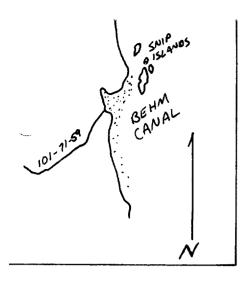
Aquatic Veg.

Density Ident. (1) Mosses (2) Algae

Observers: R. Larson - Downey

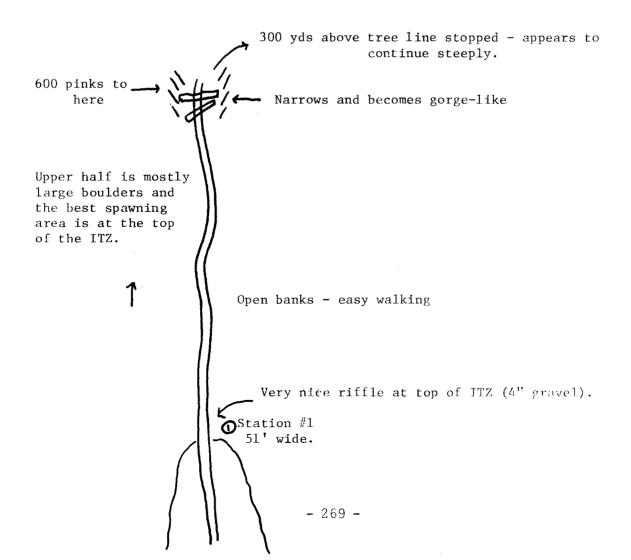
Grace Creek

101-71-5	0			
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
7-31-37				None observed.
9-25-47	3,000	3,000		Excellent
9-17-49	16,000	2,000		15,000 dead pink. (5000 live and 3000 dead chum on 10-3)
9-1-50	11,000	200		400 dead pinks. (9000 chum 9-13)
9-15-51	19,600	1,800		2700 dead pinks.
8-26-52	9,190	150		165 dead pink. 20 dead chum. (950 chum 9-3)
8-31-53	3,900	1,400	2 red	
9-4-54	27,000	2,500		
9-15-55	3,500	1,500		
9-16-56	10,000	6,000		1,000 chum at mouth.
8-20-57	10,000	3,000		
8-20-60				Fish present. Water high & dark.
9-8-61				Fish present.
8-30-62	500			Visibility good.
7-16-63				Visibility excellent.
9-1-64	8,000	4,000		50 @ mouth. Many new fish. Pinks and chums spawning.
8-26-65	200			
8-29-66	560			Estimate 600 dead.
8-27-68	1,500	few		Many carcasses (2000+) in stream.
9-5-69				200 @ mouth. Visibility excellent
7-31-72	800	100		Visibility good.
8-20-75	3,500			1500 @ IT. 2-3 small schools @ mouth.
			- 268 -	
1	1	1	1	



Gorge Creek 101-71-59 8-20-75 Downey - R.Larson

20% Available Spawning Area



Name Gorge	Creek	Catalog No.	101-71-59	
Latitude	1 55° 41' 04" N /30° 58° 12" No. Ketchikan C-3	WR No.	None	
Longitude	1 /30° 58' 12"	K No.	None	
Geodetic Map	√O. <u>Ketchikan C-3</u>	. Work Area_	Ketchikan	
Location Back	Behm Canal 1/2 mile Sw. of Sni	_{r In} Watershed]	Length <u>5.75 miles</u>	
	of Watershed	·····		
Water Supply '	Type <u>Precipitation, 1</u>	runoff; possible	springs.	
Massile 2 Cumr	av Poutos N			
Trails & Surv	ey Routes <u>No establis</u>	sned trails - al	ll open, walk in the s	tream.
Aerial Survey	Notes Pretty open -	should be able	to aerial survey easi	1y.
Anchorage	Buoy in Manzanita Bay.			
Tide Stage Wh	en Surveyed 3/4 floo	od tide.	and and the Brighton begin to a Bright of the Brighton of the second of the Brighton of the Brighton of the Second	
FISHERY RESOU	RCES			
	Fisheries Unknown			
Escapement_	600 pinks on 8-20-75. (900' x 50' x 20% ASA)	· Spawning ar	$ea = 836 m^2$.	
	(900 x 30 x 20% ASA)			
Species Com	position <u>Unknown</u>		:	
Timing				
Schooling a	reas Off the mouth - 1	not much pool a	rea in the stream.	
201110			30130	
Shellfish P	otential None - IT	is very rocky		
Sport Fishe	ries None - too sma	11		
Land Use at	Present None			
History of	Land Use None			,
11120013 01	Band obe none			
Rehabilitat	ion Potential None			
Soils Sta	ole to point walked.			
GAIÆ RESOURCES				
	Tit -1.	. /-74 61-	\	_
Bear'	Fish carcasses or bones	s (old or fresh	on banks, estimate	several
Cosso	Number of droppings Number seen on tide fla	n t- a		
Geese	Number seen on tide 112 Number seen up creek	1.05		0
	Number seem up creek Number of broods seem			0
Mallards	Number of broods seen. Number seen on tide fla	ate		0
Patarea (t)	Number seen up creek	100		0
	Number of broods seen			0
Mergansers -	Number of broods seen			0
	Number seen along creel	k		4
	Number of nests seen a			0
Seals	Number seen at mouth of			0
	Estimate length along h			_
	Estimate depth out from			-
	Eel grass present on wh		flats	-

4 eagles General Remarks (rehab., land use, barriers, log jams, etc.):

3

Density Ident. (1) Mosses (2) Algae

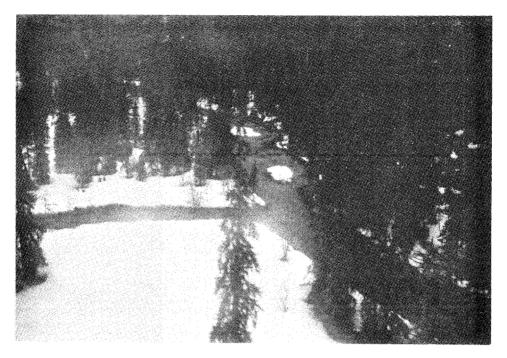
101-71-59		, com	process of the second of	4 1 1 M 1 1 M 1 1 M 1 1 M 1 M 1 M 1 M 1
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-27-47	75	25	4 coho	200 off mouth.
9-15-51	850	10		35 dead pink, 5 dead chum.
8-8-52	185			
7-29-53				Very few fish showing.
8-20-75	400			200 @ I.T.
				·
i				
			- 272 -	



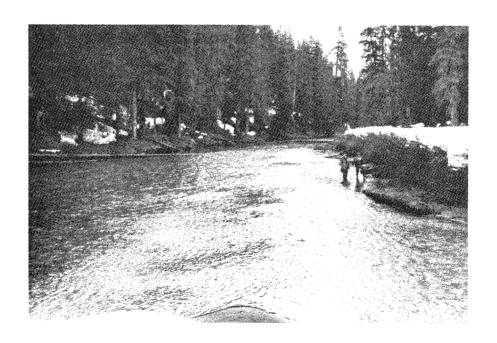
Portage Cove flats 101-71-63



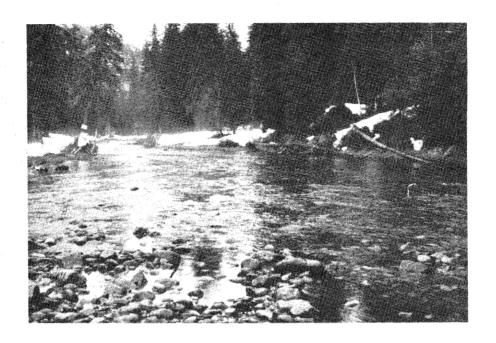
ITZ Portage Cove 6-1-76



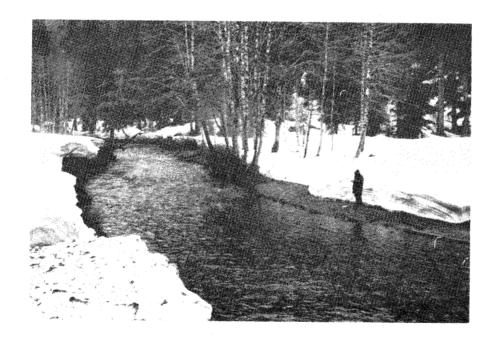
Portage Cove forks looking upstream.



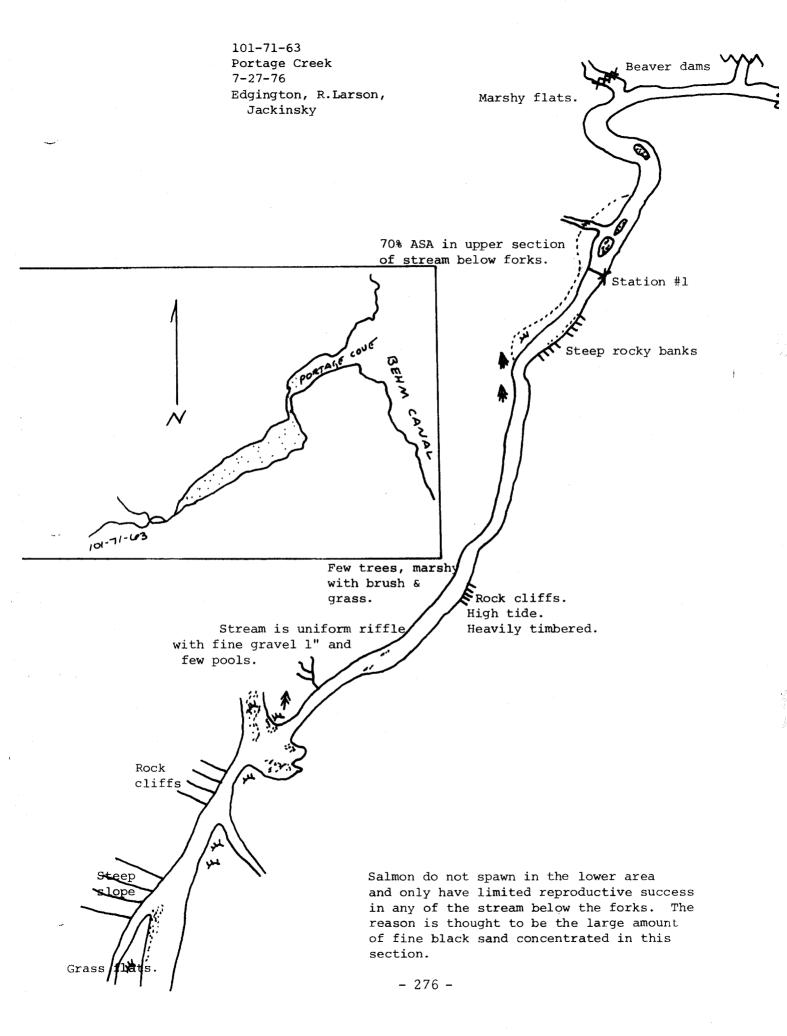
Portage Cove lower creek at station looking downstream.

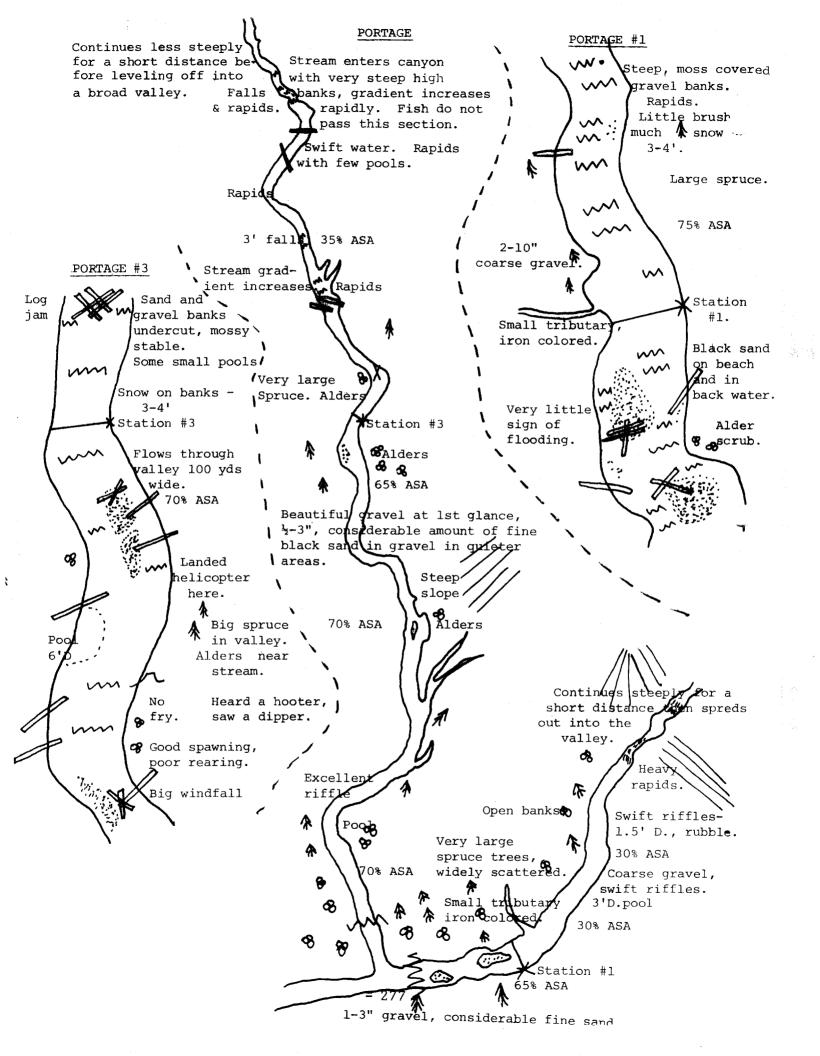


Portage Cove north fork station



Portage Cove south fork at station looking upstream.





Name: Porta	age Creek	Catalog No.:	101-71-63	
Name: Porta Latitude: 55	46' 19"	WR No.:	77 77	
Longitude: 131	02. 51.	K No.: K	.77	
Geodetic Map No.	: Ketchikan D-4, C-4	Work Area; K	[etchikan	mellenmen or an extension was a way and a supplement of the extension
	Canal, Portage Cove, O	Watershed Leng	th: 10 miles.	medicalmic (t. e. sp. sc.) and spay you arrange (sp. 1. between
Opposite Chickam	in River. be: Snow, muskeg, small	Drainage Area:	47 sq. miles	
Water Supply Typ	be: Snow, muskeg, small	lake, runoff.		
main tributary al	Routes: Best entry by bove high tide. otes: Excellent, upper v			ه ۱۹۹۳ (۱۹ مند پ در دوسی پیده دروس سرمدر یود د منده
			Tot Medvice directal	
Anchorage: Fai	r weather anchorage at mo	uth of cove.		
Tide Stage when	Surveyed: 2/3 high.			
FISHERY RESOURCE				
	sheries: Pink, chum, coho be limited in much of st			
	2,000 8-10-51; 10 kings 8			
(5000x120'x50	\Re) Below forks = 48,770 m	2 (7500'x100'x70	0 ASA). N.fork = 44	60 m ² (1500'x
	S.fork = $9750 \text{ m}^2 (5000 \text{ x})$			
,			apragramat versions at the fare-dynamic constraints and conjugate representation constraints and constraints	tura de la companya del companya de la companya de la companya del companya de la
Timing: Augu			Language and the state of the state of the superior of the superior of the superior of the superior of the state of the superior of the supe	
Schooling Area	as: At head of ITZ.	and the second s		
Ch . 1151-h Dob				
Shellish Pou	ential: <u>Crabs on delta</u>	*		
Sport Fisheri	es: Limited due to inac	cessibility. Sh	ould have all speci	es if trout
in good numbe			CALLERY A PROPERTY OF THE	
	resent: Limited recrea	tional opportuni	ty due to problems	with access-
ibility.				
History of La	nd Use: <u>Unknown</u> .			· · · · · · · · · · · · · · · · · · ·

Rehabilitatio	n Potential: <u>None nee</u>	ded.		and the teaching and a second relative confidence from the party and the confidence of
O. 'I. Davis		hadland been man		W. Tr. 1 V. Living to the control of the state of the sta
Solls: Bank	s are stable with little	bedioad transpor	t evident.	· B. Maria and C. W. Constant and Constant of the Constant of
		AND THE PROPERTY OF THE PROPER	Bernard yn general dae general yn de de de de de de de de de de de de de	
GAME RESOURCES				
Bear	Fish carcasses or bones	(old or fresh)	on banks, estimate	
	Number of droppings	Bears prese	ent.	
Geese	Number seen on tide fla	ts		2
	Number seen up creek			
	Number of broods seen			
Mallards	Number seen on tide fla	ts		4
	Number seen up creek			
	Number of broods seen			
Mergansers -				1
Bald Eagles-				<u></u>
	Number of nests seen an	d location		
		,		
Tide flats -	Estimate length along b			
	Estimate depth out from		1 - 4 -	
	Eel grass present on wh	at percent of f.	lats .	The first control of the same

Name: Portage Creek

Observers: Edgington, Larson, Jackinsky

Date: 5-27-76

Temperature: 40

÷					N	mber:_	101-7	1-63	 	 Weathe	r: <u>o</u> v	ercast	, rain	
Station No.	1	2	3											
Pool Size/Type	3/2	3/2	3/2											
Riffle Type Width-Depth	81'W 1.6'D	123'W 1'D	34'W 1'D				·							
Pool Riffle Frequency	3	3	3											
Bottom Type (Riffle)	4	4	4									-		
Color/Turbidity	1/1	1/1	1/1											
Velocity	2	2	2											
Flow (C.F.S.)	282	320	54											
7 Temp. (°F.)	39	39	38											
pH	7.5	7.5	7.5											
Fry Abundance														
Benthos Sample No.			Many small plecor	tera s	p?									
Higher Plant Class	1	1	1/4											
Aquatic Veg. Density Ident.	3	3	3											
(1) Mosses (2) Algae	2	1	1-2		_									

General Remarks (rehab., land use, barriers, log jams, etc.):

Station #1: Right fork by #2 sign.

#2: Main stream middle of pre-emergent area.

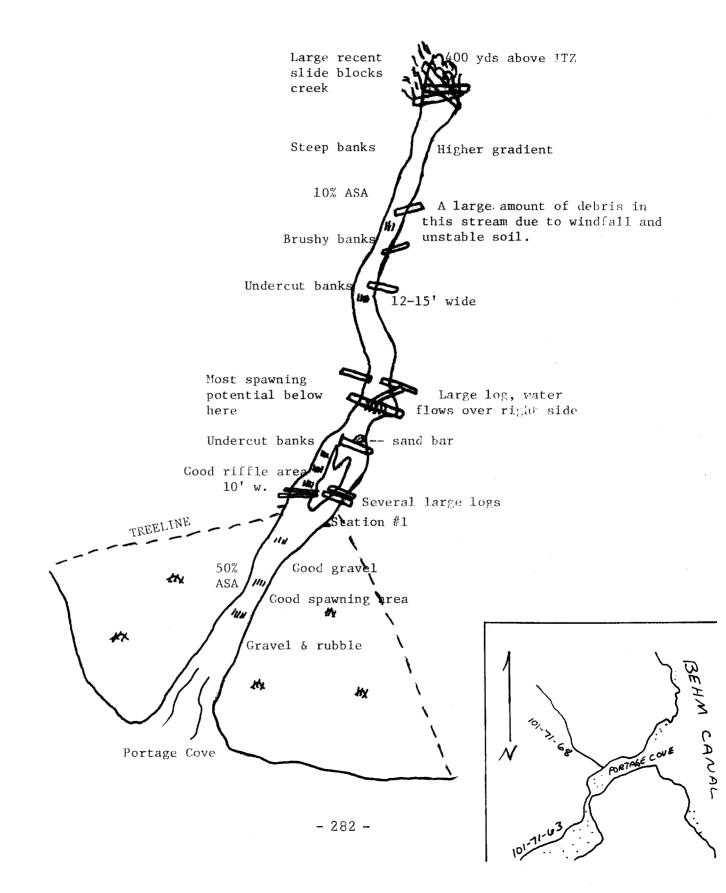
#3: Above pre-emergent station south fork.

Portage Creek 101-71-63

101-71-63				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-21-47	250	20	1 coho	
8-1-48	5,000			
8-21-49	15,000	1,100	4 kings	12,100 dead pink, 900 dead chum.
8-9-50	20,000	1,250		·
8-10-51	62,000	600	2 red	8-20, 2 kings, 9-2, 600 coho.
8-10-52	10,500	230		
8-2-53	770	1,640		,
8-12-54	9,000			650 chum on 8-3.
8-12-55	4,000			
7-29-56	60,000			
7-31-57	10,000			
8-9-60	6,000			
7-28-61	3,100			Some spawning, mostly schooled.
8-3-62	9,100			Some spawning.
8-3-63	3,400	1,000		Visibility good in stream, poor off mouth. None observed I.T.
8-18-64	22,000	2,000		All fish spawning, many dead in lower stream.
9-10-65	50			Visibility excellent.
7-25-66	36,000			Visibility excellent. Fish all schooled.
7-31-67	l stray	1,200		Visibility good.
7-16 - 68	39,300	350		Visibility excellent.
8-1-69	130	40	10 kings	Fair visibility.
8-4-70	22,	, 100		1000 dead. Good distribution.
8-27-71	500			Visibility good.
7-31-72	19,800			Visibility good.
7-23-73	100	100	- 280 -	Visibility fair.

Portage Creek

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
3-15-74	13,	000		2000 dead. Visibility good.
3-18-75	3,400	3,400		400 pink @ I.T. 50 dead. 50% chum. Visibility excellent.
'				·
			• .	
!			- 281 -	



Name Slide	Creek	Catalog No. <u>101-71-68</u>	
Latitude N	55° 46' 15"	Catalog No. 101-71-68 WR No. K No.	
Longitude W	131° 03' 45"	K No.	
Geodetic Map 1	O. Ketchikan D-4	Work Area <u>Ketchikan</u>	
Location Beh	m Canal, Portage Cove N.s	idetershed Length 3.1 mile	
Drainage Area	of Watershed 3.7	sq. miles	
Water Supply 1	ype Glacial supplemen	ted by precipitation.	
Trails & Surve	y Routes <u>Debris and m</u> is difficult becuase of	nany logs make walking on stream bed	difficult,
Appied Curvey	Notes This street is	too negross and changed by house 1	-11
overhanging tree	e to make serial curvey f	too narrow and obscured by brush, deeasible.	ebris and
Anchorage Tem	norary anchorage availabl	e in small basin just inside the so	uth point
at the entrance	to the cove.	the sucremental state the so	den point
Tide Stage Whe	en Surveyed low tid	le.	· · · · · · · · · · · · · · · · · · ·
FISHERY RESOUR	Roes Fisheries Pink		
commendial	TSHellies Fink		
Escapement	Unknown. No historical	record	
просрешени	(1200'L x 15'W x 15% ASA	Spawning area = 251 m^2	
Species Com	osition Unknown, but	probably all pink	
- P		F - C - C - C - C - C - C - C - C - C -	
Timing E	arly - July, August		
Schooling a	reas No schooling ar	eas noted in stream.	and the second s
Shellfish P	otential There is a	relatively low population of dungen	ess cr ab
in Portage Co	ve. ries Possibly cutthro		
Sport rishe	res rossibly cuttillo	at trout.	
Land Use at	Present Portage Cove	area, (primarily Swedish meadows)	is well
known as wate	rfowl hunting area, and a	is a good bear hunting area.	10 11011
History of	Land Use Unknown		
•			
Rehabilitat	ion Potential Near	ly all of the debris in stream is i	mmovable.
Soils <u>Soils</u>	are unstable throughout	stream. Banks are undercut in lowe	r stream.
		gh slide potential.	
GAME RESOURCES			
Rear	Fish carcasses or hores	(old or fresh) on banks, estimate	15
Deal	Number of droppings	(oza oz 1100ii) oli sazitoj osoziizoo	4
Geese	Number seen on tide flat	ts	0
	Number seen up creek		0
	Number of broods seen		0
Mallards	Number seen on tide flat	ts	0
	Number seen up creek		0
	Number of broods seen		0
	Number of broods seen		0
Bald Eagles-	Number seen along creek		0
	Number of nests seen and		0
	Number seen at mouth of		1
Tide flats -	Estimate length along be		1/4 mile
	Estimate depth out from		130 feet
	Eel grass present on wha	at percent of flats	3%

STREAM INVENIORY FORM

Observers: R.Larson - D.Ward
Date: 9-11-75

Name: Slide Creek

Temperature: 65°

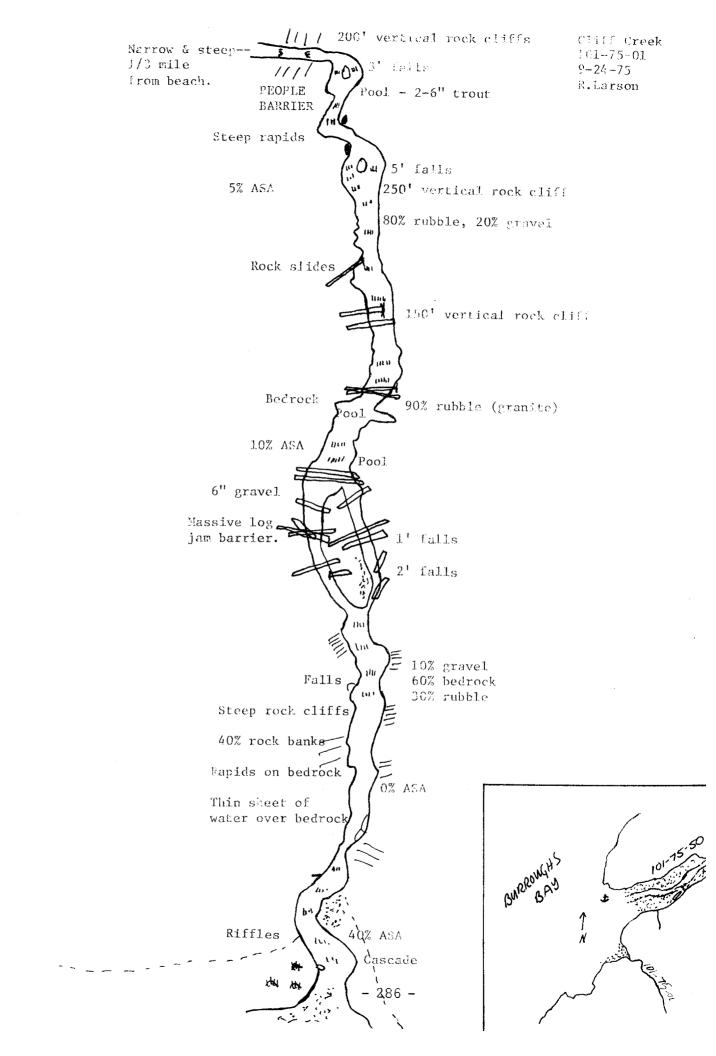
Clear Weather: Number: 101-71-68 Station No. 1 Pool Size/Type 3/3 Riffle Type 31'W Width-Depth Pool Riffle Frequency 3 Bottom Type (Riffle) 5/4 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 22.8 Estimate Temp. (°F.) 48° рΗ 5 Fry Abundance Benthos Sample No. Higher Plant Class 1 2 Aquatic Veg. Density Ident. (1) Mosses 2 (2) Algae

General Remarks (rehab., land use, barriers, log jams, etc.):

[

North side of Portage

-11-75 300 45 @ I.T.	ARKS	REMA	SPECIES	OTHER	CHUM	PINK	DATE
		45 @ I.T.				300	-11-75
					·		



Name Cliff	Creek 56° 02' 09" 131° 06' 42"	Catalog No.	101-75-01	
Latitude N	56° 02' 09"	WR No.		
Longitude W	131° 06' 42"	K No.		
Geodetic Map 1	O. Bradfield Canal A-4	Work Area K	etchikan	
Location So.sid	e Burroughs Bay. 2 m1 so.	Watershed Leng	th 4 miles	
Drainage Area	Bradfield Canal A-4 e Burroughs Bay. 2 ml so. of Watershed 8.2	KIANINI KIVEL OUCL	EC.	
water Supply T	Typ∈ <u>Some small high sn</u>	owfield supplement	ed by precipitation	and
ground water.	ey Routes There is a b			1/2
Tralls & Surve	There is a b	arrier to stream t	ravel approximately	1/3 mile
Aprial Survey	m is relatively easy to w Notes This stream is	too emall to curv	ov hv sir	
Herman Darvey	moves mis stream is	too small to sulv	<u>cy </u>	
Anchorage C	onvenient tie-up at Fores	t Service float in	side of point betwe	en Unuk
	rs along north shore.			
Tide Stage Whe	en Surveyed <u>Second ha</u>	1f of ebb.		
FISHERY RESOUR				
	Risheries Pink			
OOMMIG! CIGI 1	Tallet ies IIm			
Escapement	Unknown, no historical r	ecord		
2000200000	$(.05\% \times 300' \times 10') + (.4)$	0% x 36' x 100')	Spawning area = 148	3 m ² .
Species Comp	position <u>Unknown</u>			
Timing Ear	ly - July, August			
Schooling a	reas			
7: -77 0: 1 1		1 f 1 41	-l-aut Director Day	•
Shelliish P	otential <u>Dungeness cr</u>	ab are round throu	ignout burroughs bay	/ •
Sport Fisher	ries Very limited trout		······································	
COOL O L'EDITC	TICS VELY TIMETER CLOSE			
Land Use at	Present None			
History of	Land Use <u>Unknown</u>			
	ion Potential The low			
	rea makes the need for re			
SCLIS <u>Majori</u>	ty of area is exposed or	thinly covered bed	lrock.	
		<u>, , , , , , , , , , , , , , , , , , , </u>		
arim maarmana				
GAME FESOURCES				
Bear	Fish carcasses or bones	(old or fresh) on	banks, estimate	_
	Number of droppings		_	
Geese	Number seen on tide flat	ts	_	_
	Number seen up creek		,	- ·
	Number of broods seen		· •	
Fallards	Number seen on tide fla	TS .		
	Number seen up creek		-	
Venezine	Number of broods seen			
	Number of broods seen Number seen along creek		-	***
para pagnes-	Number seen along creek Number of nests seen an		-	
Seels	Number seen at mouth of		•	
	Estimate length along b		•	
2240 22400	Estimate depth out from		•	
	Eel grass present on wh		;s	

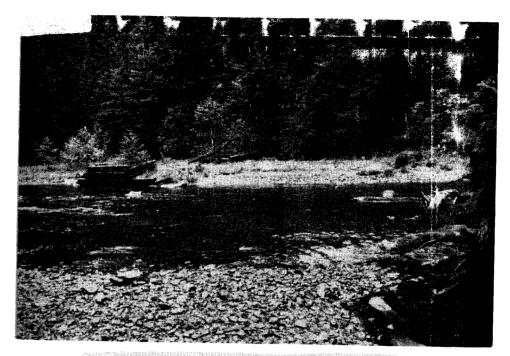
Date: 9-24-75 Name: Cliff Creek Temperature: 52° Weather: Rain Number: 101-75-01 Station No. 1 Pool Size/Type 3/1 Riffle Type 36'W Width-Depth .77'D Pool Riffle 3 Frequency Bottom Type (Riffle) 4 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) Temp. (°F.) 47° pН 5 Fry Abundance Benthos Sample No. Higher Plant Class 2 Aquatic Veg. 3 Density Ident. (1) Mosses (2) Algae

STREAM INVENTY Y FORM

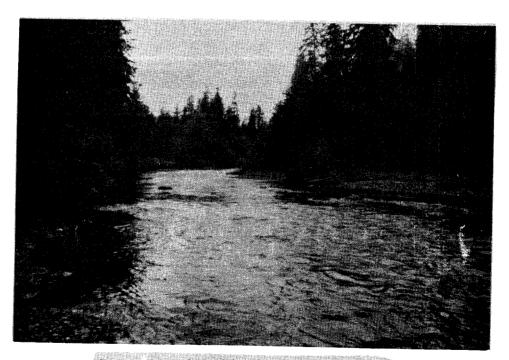
Observers: R. Larson, Ward

General Remarks (rehab., land use, barriers, log jams, etc.):

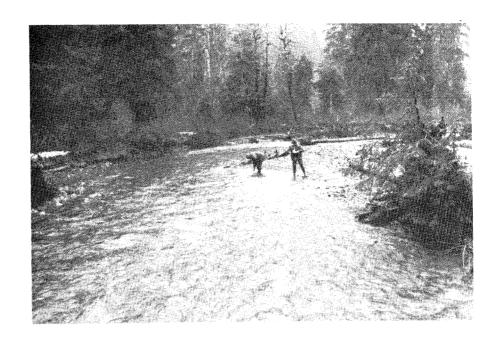
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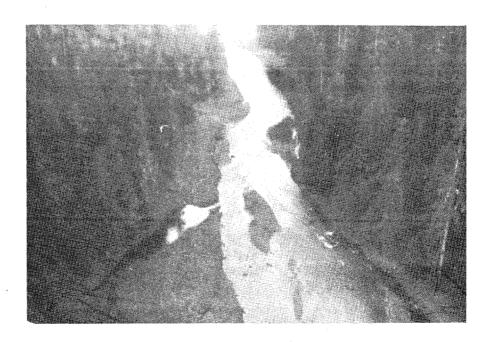
Herman Creek, old weir site, station # 3



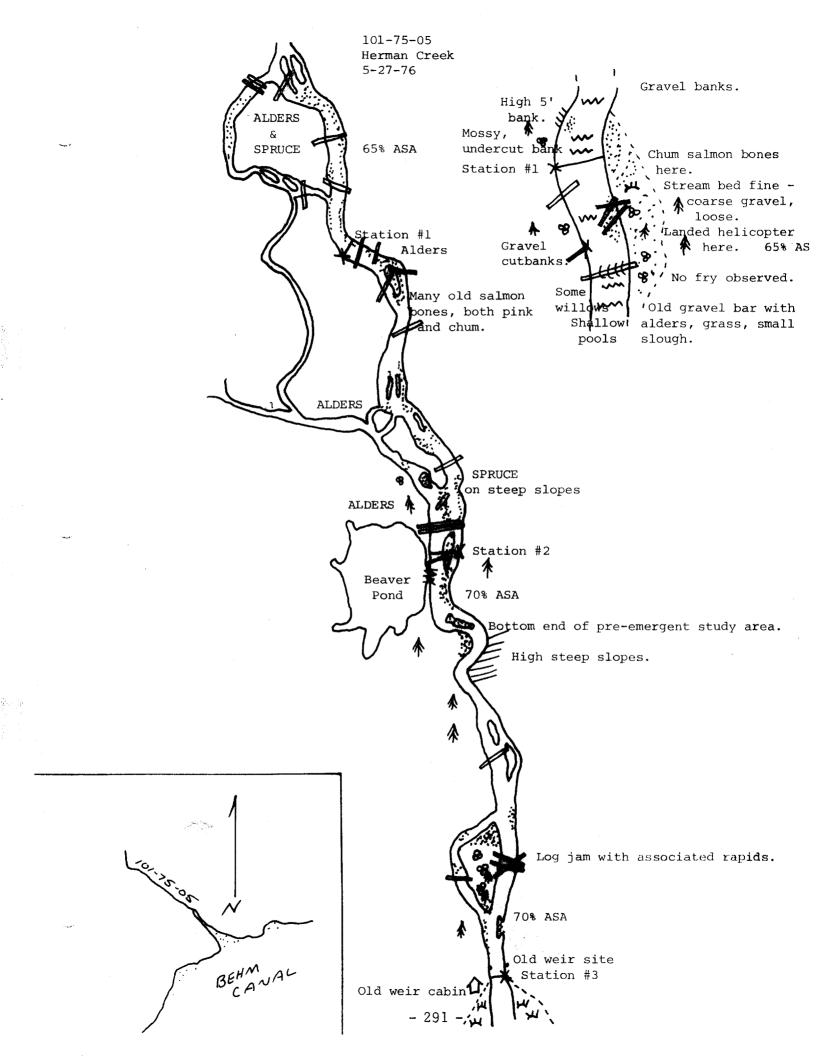
Herman Creek, old weir site, upstream

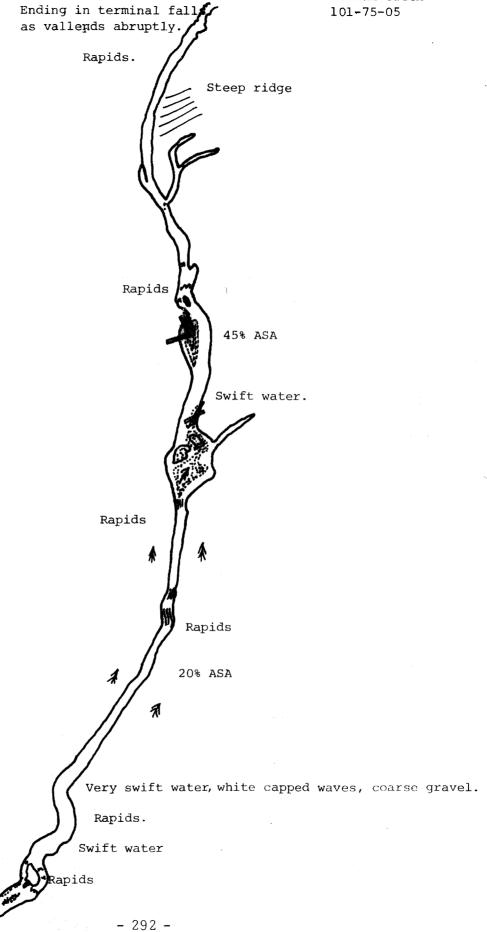


Herman Creek, upper station looking upstream.



Herman Creek below old weir site down to saltwater.





Name: Herman	Creek	Catalog No.:	101-75-05	
Latitude:	Creek 55 59' 64"	1.10 NT A.E		
Longitude: 1	31 17' 36"	K No.: 50		
Geodetic Map No.	: Ketchikan D-4	Work Area; Ket	chikan	
Location: Behm	Canal, N.Shore, 3 miles	Watershed Lengt	h: 5 miles	
W. of Burroughs	Bay.	Drainage Area:	24 sq. miles	
Water Supply Typ	Bay. De: Small lake, early sn	owfields, muskeg	areas.	
Trails & Survey	Routes: At low water wa	lking is very eas	sy on gravel banks	except for
the many large l	ogs in streambed.			
	otes: Clearwater and lig	ht colored bottor	makes salmon enum	eration
	the valley is narrow and			
Exposed anchorage	e in small basin inside W	. point at steep	drop off.	
Tide Stage when	Surveyed: 1/2			
FISHERY RESOURCE	<u>ES</u>			
Commercial Fig	sheries: Pink, chum, c	oho, king.		
				·
Escapement:	Hi peak esc 90,000 1952;	hi peak esc. sind	e 1961: 34,000 197	0: low_esc.
	1969; 14 yr. average sin			
	sition: Major species:			
	f chum on occasion.			
	ly -July, August:			
Schooling Area	as: <u>In lower intertidal</u>	and below log ja	am above weir site.	
01 13 01 1 7	1 7 37 37 37			
Shellfish Pote	ential: None			
Chart Bighari	es: Dolly Varden, cutt	hroat rainbow to	court	
sport risherr	es. Bolly varuell, cate			
Land lise at P	resent: None			
20110 000 00 1				
History of La	nd Use: Old weir site at	head of ITZ.		
Rehabilitatio	n Potential: None need	led.		
Soils: <u>Gene</u>	rally stable, considerabl	e braiding with a	alders and fallen l	ogs in
streambed.				
GAME RESOURCES	_, ,			
Bear	Fish carcasses or bones	(old or Iresn) c	on banks, estimate	many
	Number of droppings			
Geese	Number seen on tide fla	CS ·		
	Number seen up creek			
	Number of broods seen	1		
Mallards	Number seen on tide fla	LS ·		
	Number seen up creek			
.,	Number of broods seen			
Mergansers -	Number of broods seen			
Bald Eagles-	Number seen along creek Number of nests seen and			
Seals	Number of nests seen and Number seen at mouth	A TOUGULOII		2
Tide flats -	Estimate length along b	each		2
ride riats -	Estimate length along b Estimate depth out from			
	Eel grass present on wh		nts	
	her Armaa breaging on Mil	no forcome or are		

STREAM INVENTY

Observers: Edgington, Lars , Jackinsky

Date: 5-27-76

Name: Herman Creek

Temperature:

	5-27	3-20	9-24-7	5	Nu	mber:	101-7	5-05		1	Weathe	r: <u>0v</u>	ercast	, rain	
			1												
Station No.	1	2	3					ļ	 						
Pool Size/Type	3/3	3/2	2/2												
Riffle Type Width-Depth	41'W	35'W 1'D	62'W 1.09'D												
Pool Riffle Frequency	3	3	3												
Bottom Type (Riffle)	4	4	4												
Color/Turbidity	1/1	1/1	1/1												
Velocity	2	2	2												
Flow (C.F.S.)	173	est. 50	131												
29 42 Temp. (°F.)	40	33	49												
pH	7.5	4.5	5												
Fry Abundance	0	0	8-5												
Benthos Sample No.															
Higher Plant Class	some alder	1*	1												
Aquatic Veg. Density Ident.	3	none evid- ent.	1			·									
(1) Mosses (2) Algae	2	enc.	2												

General Remarks (rehab., land use, barriers, log jams, etc.):#1some sand between uniform 2-6" gravel (granite) with rubble. #2* "Blue" colored spruce. Wild currents, grass on banks. Middle of upper pink salmon study area. 85% ASA #3 - station taken just below the old weir.

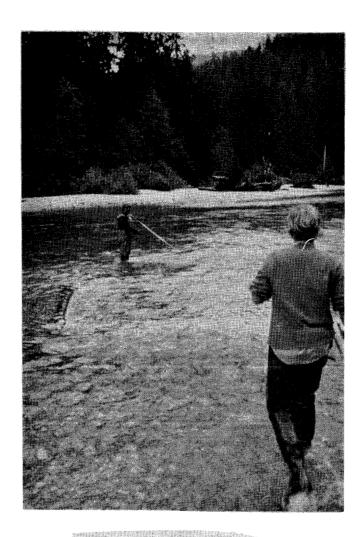
Herman Creek

101-75-05				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-15-33				1500 fish in stream. 18 mi. only.
9-21-42	3,500	150		.5 miles only.
9-16-43	2,000	400		.5 miles only.
8-22-47	5,000		100 coho on 9-26.	Some chum.
8-17-48	25,000		200 coho	Chum, fair.
9-21-49	88,433	12,475	131 coho, 9 king	Weir total July 22 - Sept. 21.
9-4-50	50,269	20,491	8 coho, 4 king	Weir total installed July 21.
9-6-51	90,764	13,670	8 coho, 17 king	Weir total installed July 14.
8-31-52	21,999	11,312		Weir total installed July 14.
8-24-53	4,593	12,505	l coho, 6 king	Weir total installed July 19.
9-4-54	13,630	4,300	20 coho, 24 king	Weir total installed July 9.
9-1-55	2,126	226	9 king	Weir total installed July 16. 3,000 additional - weir washed out.
9-5-56	31,048	4,920	14 coho, 26 king	Weir total installed July 18.
8-8-57	8,100	500		(5000 chum 8-10)
8-20-60	7,000	few		
8-2-61	1,	100		Visibility fair.
8-3-62	6,200			Visibility excellent.
8-8-63	2,100	700		Visibility fair.
8-4-64	19,	700		40% chum.
8-16-65	1,	900		Visibility good.
8-12-66	21,900	1,300		Visibility fair. All spawning, many dead.
7-31-67	200	1,100		Good visibility.
7-29-68	32,000	2,900		1250 @ I.T. Vis. ex. Chums spawning, pinks largely schooled.
8-6-69	300	70	some king	Poor visibility.
8-4-70	34,000	3,300	- 295 -	Vis. good. Few dead chums.

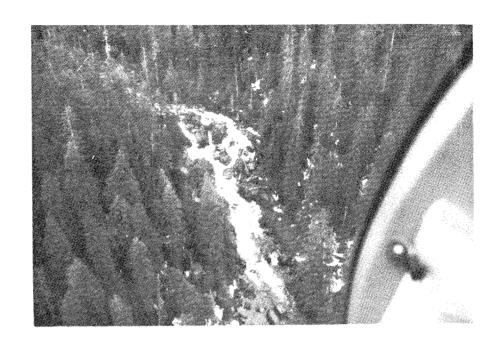
PEAK ESCAPEMENT RECORD

Herman Creek

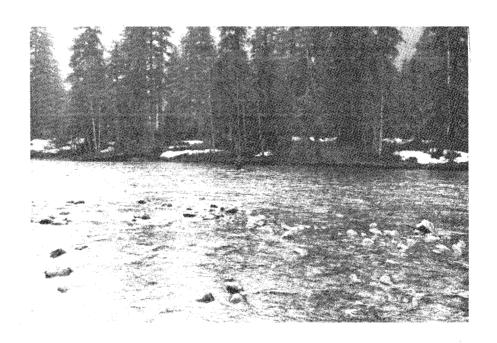
101-75-05				4
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-12-71	2,900	1,100		Few dead, visibility fair.
7-31-72	28,000	5,000		Visibility good.
8-17-73	6,100	10%		Visibility good.
8-15-74	7	,500		1000 dead. Vis. good.
8-18-75	8,400	5%		1000 @ I.T. 800-1000 dead. Vis. good.
!				
na . da con e				
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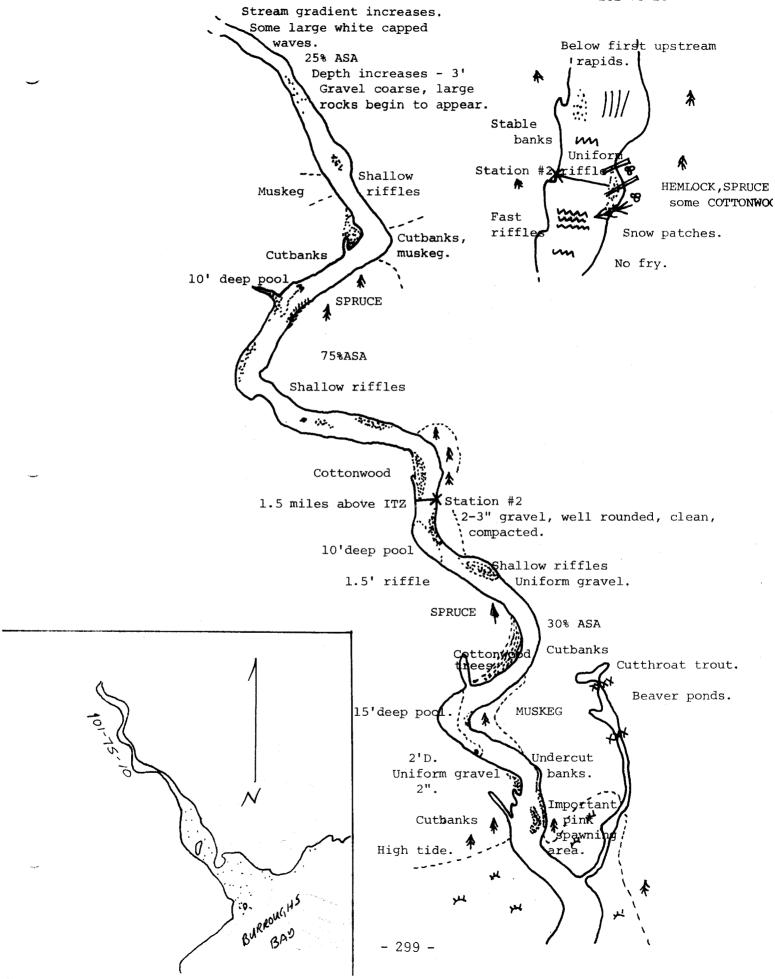
Grant Creek, station #1

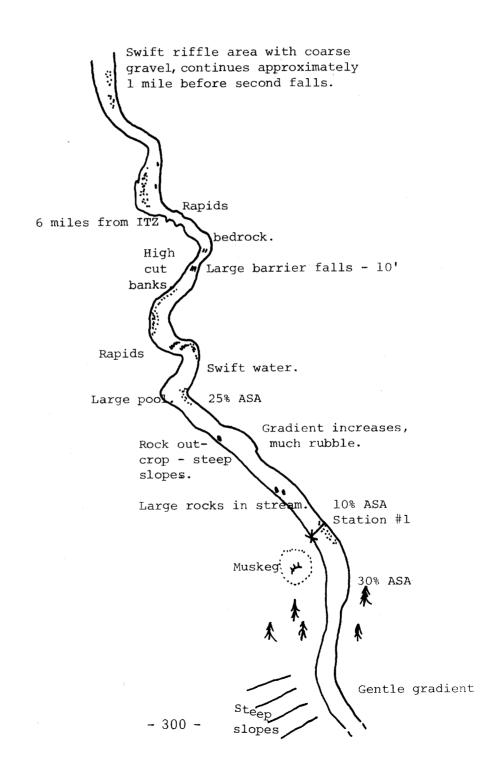


Grant Creek falls lower.



Grant Creek middle station.





Name: Grant	Creek	Catalog No.: 101-75-10	
Latitude: 5	66 02' 22"	WR No.: 44	
Longitude: 13	1 12' 45"	K No.: 49	AND THE RESERVE OF THE PARTY OF
Geodetic Map No	: Bradfield Canal A-4	Work Area: Ketchikan	a consequence of the defendence of the de-
	le Burroughs Bay, 5.8 mi.	Watershed Length: 14.5 miles	
from head.	7,000	Drainage Area: 78 sq. miles (po	
Water Supply Ty		ers and permanent snowfields supplem	
precipitation.	David		1 - Cront
Trails & Survey	Routes: River skiff is	s the most practical method of surve	ying Grant
	be taken over 4 miles up		and the
		oad, the bottom is light colored, gr	aver and the
	clear making aerial surv		noarost
		just inside line from islet to the	nearest
point visible or	Surveyed: 1/2		
ride Stage when	surveyed: 1/2		
FISHERY RESOURC	ES		•
Commercial Fi	sheries: Pink, chum, k	ing, coho. Small escapements in re-	lation to
available spa	awning area, why escapemen	nts are not higher is unclear, ASA o	of poor quality
Escapement: Hi	peak esc. 30,000 1951; s	since 1961 - 17,500 in 1970. Low pe	eak / perha
esc since 196	51 300 in 1961. 14 yr. ave	e. 1961; 4757. Spawning area:183,90	00 m ²
Species Compo	sition: Mostly pink.	(5 mi.x	150'x50% ASA)
The same of the control of the same of the	De garantemente ette for ettelle under ettelle state ettelle state for de state ettelle state ettelle ettelle s	and the state of t	to a decimal to the contract of the contract o
Timing: Early	/ - July, August	p pools above hi tide area where a	and the same and the second se
Schooling Are	as: There are two deep	pools above hi tide area where a	very large
	sh could school.		graph the graph of the second distribution appropriate the second distribution and distribution and distribution a
Shellfish Pot	ential: Good crab fish:	ing on river delta.	And the second s
	72 - 3 - 1	3 Dalla 12-12-1	and the second s
Sport Fisheri	es: Rainbow, cutthroat,	and Dolly Varden.	
I and Han at D	Pogrational	- hunting and fishing. Good waterfo	owl area
band use at P	resent: Recreational	- nunting and rishing. Good waterr	JWI arca,
History of La	nd Use: Unknown.		
Rehabilitatio	n Potential: No physic	al changes needed but a study shoul	d be done to
	a creek of this size do		
Soils: The	streambed is made up of g	ravel but the stream is undercuttin	g the banks
at steep turn	ns.		
			4
GAME RESOURCES	•		
Bear		(old or fresh) on banks, estimate	3
	Number of droppings		4
Geese	Number seen on tide fla	ts	15
	Number seen up creek		
	Number of broods seen		
Mallards	Number seen on tide fla	ts 50 teal	25
	Number seen up creek		
	Number of broods seen		
Mergansers -	Number of broods seen		5 adults
Bald Eagles-	Number seen along creek		2
-	Number of nests seen an		
Seals	Number seen at mouth		12
Tide flats -	Estimate length along b	each	1/2 mile
	Estimate depth out from	beach	200 yds.
	Eel grass present on wh		

~ (_j ·		5-27-76	9-24-75 Downey, Ward					NVEN rant Ci		<u>M</u>			Observ Date:_ Temper Weathe	5-2 ature:	27-76 40)	(-1	ackinsky
	L	5-2	92 Mod			Nu	mber:	101-7	5-10		,	1	weathe	L:	ercasc	Lain	T	ĺ
Station No.	-	1	2															
Pool Size/T	Type 3,	/3	3/2															
Riffle Type Width-Depth		0'W 5'D	150'W															
Pool Riffle Frequency	2	3	3															
Bottom Type (Riffle)	1.	-4	4-1															
Color/Turb	idity 1	/1	1/1															
Velocity		2	2															
Flow (C.F.S	5.) ₆	91	832														c	
30 Temp. (°F.))	41	48										ļ					
pH	7	.5	5															
Fry Abundai	nce 1	/1 _/1	1-many						-									
Benthos Sample No.		_	·	·	·		·											
Higher Pla Class		1	1															
Aquatic Ve Density Ident.		1	3															
(1) Moss (2) Alga	es e	2	1															

General Remarks (rehab., land use, barriers, log jams, etc.): Station #1 - about 7 miles up from tidewater.

- - -

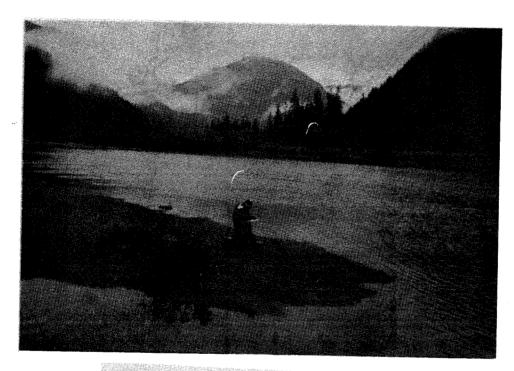
Grant Creek

101-75-10				-
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-21-42				Few pink and chum.
9-16-43				Very few. I.T. only.
9-26-47	32	32	2 coho	I.T. only.
7-30-49	15,500			
8-2-50	28,000	6,000		·
8-2-51	30,000	5,000		200 dead chum. Poor visibility.
8-12-52	7,800	1,155	25 kings	500 dead chum.
7-25-53	43	223	5 kings on 8-12.	10% visibility.
8-12-54	7,500	200		
8-12-55	600			
7-29-56	16,000	2,500		
7-31-57	3,000	5,000	Several kings on 8-10	
8-20-60	1,500			All spawning.
8-2-61	some	2,100		Most spawning.
7-31-62	2,	900	,	
8-3-63	700	600	few kings	Poor visibility at mouth. None observed I.T. Good vis. in stream
7-30-64	8,800	3,000	few kings	200 I.T. Chums spawning, pinks schooled.
B-16-65	1,000	700		Visibility excellent.
7-25-66	7,000	1,000	100 kings	Vis. excellent. Chums spawning.
7-31-67	100	2,600		Visibility good.
8-19-68	9,400	800	few coho	Visibility excellent.
8-6-69	850	270	50+ kings	Visibility poor.
8-4-70	15,300	3,000	few dead kings	Chums spawning. Visibility good.
8-12-71	500	700	kings present	Vis. fair - few dead.
			- 303 -	

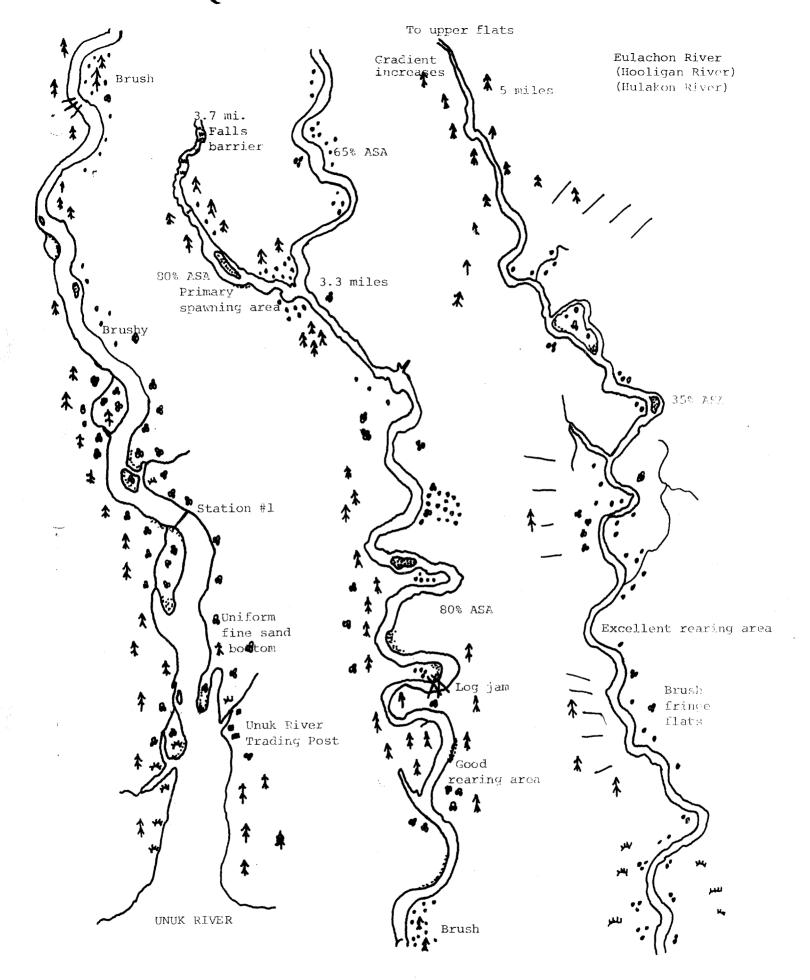
PEAK ESCAPEMENT RECORD

Grant Creek

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
7-31-72	14,000	2,500		Visibility good.
8-17-73	1,400	450	38 kings	
8-1-74	1,	00		
8 -18-7 5	2,275	200		Visibility good.
			• .	
;			- 304 -	



Eulachon River, station #1, upstream



Name Eulac	hon River 56 05' 09" 131 05' 16"	Catalog No	. 101-75-15	
Latitude N	56 05' 09"	WR No.	43	
Longitude W	131 05' 16"	K No.	48-1	
Geodetic Map 1	No. Bradfield C. A-4 d of Burroughs Bay of Watershed 48 sq.	Work Area	Ketchikan	
Location N. hea	d of Burroughs Bay	Watershed	Length 9 miles	
Drainage Area	of Watershed 48 sq.	miles (polar	planimeter)	
	Type Large snowfields a	long high ric	lges supplemented by be	aver ponds,
muskeg areas	and precipitation.			
	ey Routes A small skif	r can be take	en to the base of the s	pawning
riffles 3 mil				
	Notes Good visibility	and an easil	y followed stream cour	se enables
	ial survey conditions.	6		Distance
	rest Service float inside	or point ber	ween unuk and Klanini	River on
north shore.	an Cumanad			>
Tide Stage who	en Surveyed			
FISHERY RESOU				
Commercial :	Fisheries Pink, chu	m, coho, king	, smelt.	
Escapement H	i peak esc. 71,200 1950, 500 in 1967, 14 year. ave	hi pink esc s	since 1961 - 60,000 196	4. low esc.
since 1961 -	500 in 1967, 14 year. ave	rage since l	961 12,071. Spawning ar	$ea = 31400 \text{ m}^2$
(45 ' x5500 'x 80	% + 40'x10,000'x35%)			
v				
	ly - July, August.			
Schooling a	reas			
Ch = 1.1 64 = h D	atautiol Dungonog or	ah ara faund	throughout Purroughs F	Ray in
	otential Dungeness cr	ab are round	throughout Burroughs i	say III
shallow areas	ries Rainbow, cutthroa	+ and Dolly	Warden trout	
Sport Fishe	rites Rainbow, cutthroa	ic, and boily	varuen clouc.	
Tand Trac of	Present Recreational	hunting and	fishing Several cabi	ins along
lower part of	rivor			
HIPOOLA OL	Land Use	3		
	ion Potential No reb			
TOTAL	1011 1000110141			***
Soils Stat	ole. Approximately 1 mile	of sand in	lower portion.	
Jour Jean	Jie. Appioximately I mile	. U. Same III	AND AND AND AND AND AND AND AND AND AND	
GAME RESOURCES				
				•
Bear	Fish carcasses or bones	(old or fres	h) on banks, estimate	
	Number of droppings	Tracks.		
Geese	Number seen on tide flat	DS .	ā	
	Number seen up creek			
	Number of broods seen			
Mallards	Number seen on tide flat	ts		
	Number seen up creek			
	Number of broods seen			
	Number of broods seen			
Rald Eagles-	Number seen along creek			<u>3 adult</u> s
	Number of nests seen an			
	Number seen at mouth of			
Tide flats -	Estimate length along b			
	Estimate depth out from			
	Eel grass present on wh	at percent of	flats	

STREAM INVEN(Y FORM

Observers: R. Larson & D. War

Date: 9-24-75

Name: Eulachon River

Temperature: Weather: Overcast

				Nu	mber:	101-7	5-15	_		I	Veather	::	vercas	t	
	Ī		 	 											
Station No	ο.	1													
Pool Size	/Туре	2/2													
Riffle Typ Width-Dep	L.3.	189'W 1.2'D								,					
Pool Riff Frequency		1												ĺ	
Bottom Ty (Riffle)	pe	1						÷	·.						
Color/Tur	bidity	1/1												· 	
Velocity	ĺ	1												 	
Flow (C.F	.s.)	252.2													
ω ^C Temp. (°F	·.)	46													
pH		5													
Fry Abund	lance	1-1													
Benthos Sample No).														
Higher Pl Class	ant	4*													
Aquatic V Density Ident. (1) Mos		3													
(2) Alg	gae	2	- I			<u> </u>	<u> </u>								

General Remarks (rehab., land use, barriers, log jams, etc.):

^{*}Spruce, willow, alder.

Eulachon Creek 101-75-15

101-75-1	5			
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-9-48				Chum, pink good.
7-22-49	2,000	500	l red	
8-11-50	70,000		1000 kings 500 coho on 8-22	1,200 dead pinks.
8-2-51	20,000	400	200 kings	
8-9-52	17,160	590	244 kings	148 dead pinks, 140 dead chums. 3,120 chum 7-28
8-2-53	2,900	1,900	415 kings	
8-12-54	6,000			
7-31-55	6,000	200	600 kings	
7-29-56	10,000		1000 kings	
7-31-57	5,000		500 kings	Some chum.
7-30-60	2,500	several 100	several 100 kings.	
8-1-61	3,800	3,000	270 kings	Most schooled.
7-31-62	9,200			Visibility excellent.
8-3-63	2,000	100	200 kings	Kings, chums spawning heavily. Pinks schooled.
7-30-64	50,000	10,000		10,000 @ mouth. Vis. good.
8-3-65	1,000	700		Vis. excellent. Fish upstream.
7-25-66	28,000	2,000		6000 @ mouth. Some spawning in upper part of stream.
7-31-67	500	1,500	few coho	Good visibility.
7-29-68	12,000	14,000	7 kings	2500 @ mouth. Visibility exceller
8-21-69	1,300		150 kings	All spawning above forks.
8-4-70	16,700	1,300		I.T. included in stream count.
8-12-71	1,600	300	30 kings	Visibility fair. 100 dead.
7-31-72	18,000	4,600		
			- 309 -	

PEAK ESCAPEMENT RECORD

Eulachon

101-75=15	5	gran a anamona wanna andrew with which with granted blakes the san appear and only	and a second second second second second second second second second second second second second second second	4
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-17-73	1,	00		50% chums. Visibility good.
8-7-74	5,200			Chums mixed in. Vis. good.
8-18-75	6,400	1,000	15-20 kings	500 dead. Vis. ex. 600 @ mouth 10 @ I.T.
or and the second secon				
, or				
m				
er ganger e de a ma				
1				
n man din total				
e company				
1				
: : :				
			- 310 -	
			010	A CONTROL OF THE PROPERTY OF T

Name <u>Clear C</u>	reek (Lower)	_ Catalog No.	101-75-17	
Latitude N	56 07' 05" 31 01' 55"	WR No		
Longitude <u>w 1</u>	31 01' 55"	K No.		
COUCOTO MAD	NO. Bradileid C. A-4	MOTIVE WITEGO	Retchikan	
Location W.side	e 3.5 mi. Unuk River	watershed Le	ength 8 miles	
Drainage Area	of Watershed 13 s	q.miles		
Water Supply	Type Melting snow, la	ke, precipitation,	groundwater.	
Trails & Surv	ey Routes Access by	riverbeat streamh	ned can be walked to	fallc
at low water	Banks quite brushy.	IIVerboat, Stream	ed can be warked to	10112
Aerial Survey	Notes Visibility	limited to only th	nose periods when no	t influenced
hy muddy rive	er water. Considerable	overhead cover		
Anchorage	ar water. Considerable	Overnead cover.		

Tide Stage Wh	en Surveyed			
FISHERY RESOU	RCES			
	Fisheries Pinks, ch	ums, coho		
oommer ordi				
Escapement				
Spawning area	1561 m ² (40'x1200'x35	%)		
Species Com	position Pinks a	nd chum major spec	cies.	
Timing ea	rly August			
Schooling a	reas			
Shellfish P	otential			·
Sport Fishe	ries Dolly Varden p	resent. May spawr	n here.	
Iand Use at	Present Recreation	nol hunting		-
Land ose at	rresent Recreation	mar muncing.		
History of	Land Use Mineral e	exploration		
Rehabilitat	ion Potential Non	ie needed.		
				·
Soils Al	lluvial gravel and sand,	subject to bedloa	ad movement when riv	er floods.
GAME RESOURCES				
Door	Think compagned as how	(-7-71-)		
bear,	Fish carcasses or bone	s (old or Iresh)	on banks, estimate	
Coore	Number of droppings	1060		
Geese	Number seen on tide fl	lats		
	Number seen up creek			
Mollowda	Number of broods seen	1 + 4 -		
Fallards	Number seen on tide fl	lats		
	Number seen up creek			
M	Number of broods seen			
	Number of broods seen	. 1-		
Haid Eagles-	Number seen along cree			
Cos 7 -	Number of nests seen a			
	Number seen at mouth o			
Tide flats -	Estimate length along			
	Estimate depth out from			
	Eel grass present on t	what percent of fl	.ats	

STREAM INVEN Y FORM

Name: Clear Creek (lower)

Observers: R. Larson, Siede an, Ahrendt

Date: 11-20-75

Temperature: 3

Weather: Overcast

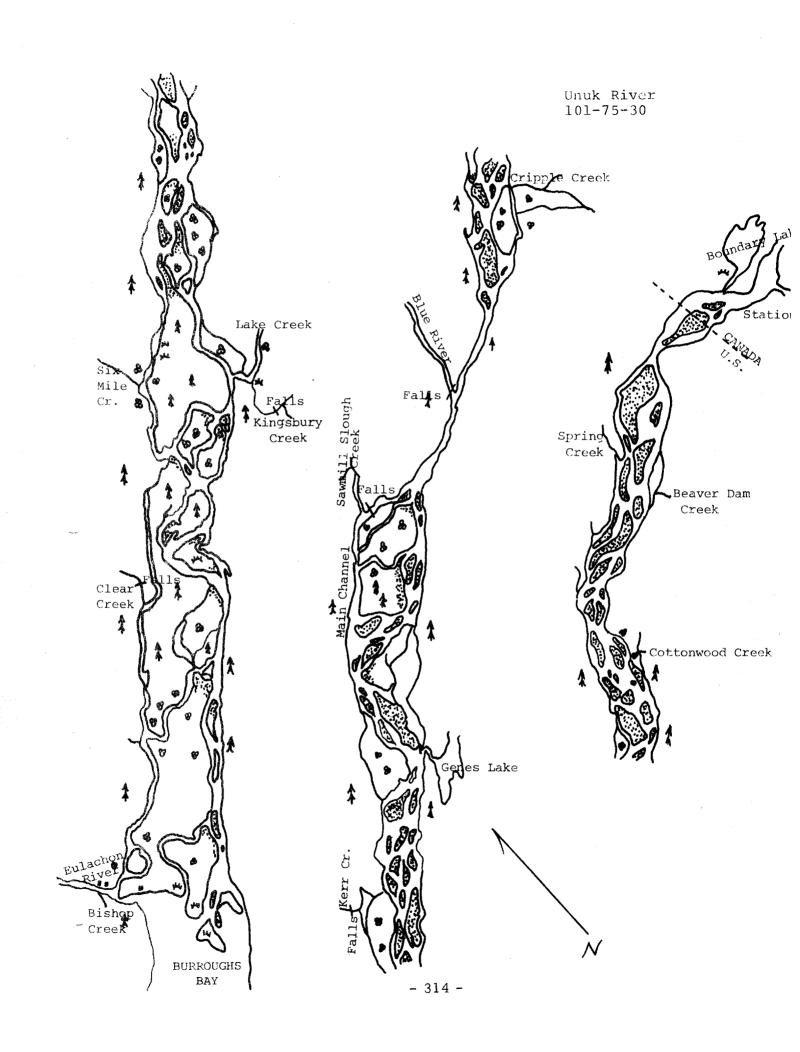
Number: 101-75-17 Station No. 1 Pool Size/Type 2/2 Riffle Type 40'W Width-Depth .6'D Pool Riffle Frequency 3 Bottom Type (Riffle) 4 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 18.4 Temp. (°F.) 35 рΗ 5 Fry Abundance Benthos Sample No. Higher Plant Class 1 Aquatic Veg. 2 Density Ident. (1) Mosses (2) Algae 2

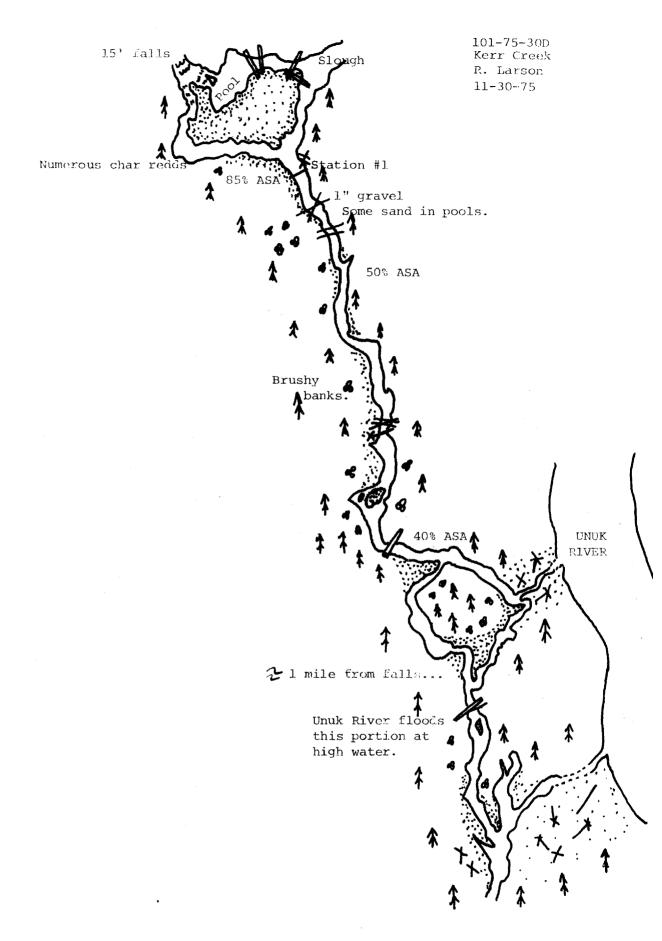
General Remarks (rehab., land use, barriers, log jams, etc.):

Grey silt evident.

Clear Creek (N.W. shore Unuk River) 101-75-17

101-75-17 DATE	PINK	CHUM	OTHER SPECIES	REMARKS
		• = 1		
7-23-49	20	80		
8-21-52	600		5 king	Some chum.
8-22-61	300	150		
7-63			Some kings	
8-15-69	250		10 kings	
	•			
			- 313 -	





Name Kerr (Creek	Catalog No	101-75-30D	
Latitude N	56 09' 50" 130 56' 45"	WR No.		
Longitude W	130 56' 45"	Γ Ω .		
Georgette may i	O. Bradileid C. A-3	Work Area 1	Ketchikan	
Locationw. side	e mile 9.5 Unuk River.	Watershed Len	gth 9.5 miles	
Drainage Area	of Watershed <u>17 sq</u>	. miles		
Water Supply T	Type Melting snow, pro	ecipitation, ground	dwater.	
(I) - 1 1 - 8 C	Double Co.	an ha	1	
h * u c h u	ey Routes <u>Streambed</u> c			
Aprial Survey	Notes Glacial color	for much of year	Some sections may	he
masked by ove	whood corror			
Tide Stage Whe	en Surveyed			
FISHERY RESOUR	RCES			
	Fisheries Pink, chum,	coho, king.		
Escapement _				
	(23'x2500'x25%) Spawnin	g area = 1335 m^2		
Species Com	position			
mining a				
Timing Earl	y - August.			
Schooling a	reas			
Shellfish P	otential			
01102212011				
Sport Fishe	ries Dolly Varden, sp	awning area.		
Land Use at	Present Recreationa	1 hunting.		
High control of	Land Use Mineral exp	loration		
History of	Land Use Mineral exp	TOTALION.		
Rehabilitat	ion Potential None	needed.		
	vial gravel and sand. M	ay be subject to s	ome bedload movemer	nt during
floods.				
GAME RESOURCES				
Rear	Fish carcasses or bones	s (ald or fresh) or	n banks, estimate	
	Number of droppings	/ (014 01 110011/ 01	1 Doubles, Coolington	
	Number seen on tide fla	ats		
4446	Number seen up creek			
	Number of broods seen			
Mallards	Number seen on tide fla	ats		
	Number seen up creek			
	Number of broods seen			
Mergansers -	Number of broods seen			
	Number seen along creek			
	Number of nests seen a			
	Number seen at mouth o			
Tide flats -	Estimate length along			
	Estimate depth out from			
	Fel orass present on w	eat percept of fla	ES	

General Remarks (rehab., land use, barriers, log jams, etc.): Charr eggs dug up. Redds evident. Several blood spots in the snow (eagle and mink kills).

1

3

2

Aquatic Veg.

Density Ident. (1) Mosses (2) Algae

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
2 22 61	16	3	53 kings	
3-23-61	16	3		
7–63			50 kings	
				1
				·
•			- 318 -	

Sawmill Creek 101-75-30G 11-20-75 R.Larson, Siedelman SPRUCE Very Steep Main Spawning Area S P R U C E Very Steep Station #1 - 319 -

Name Sawmill Cr	reek	Catalog No. 101-75-30G	
Latitude	N 56 14'25" W 130 52'50"	WR No	
Longitude	W 130 52'50"	K No	
Geodetic Map N	No. Bradfield Canal A-3	Work Area <u>Ketchikan</u>	
Location W.side	e 13.5 mi. Unuk River	Watershed Length 3.5 miles	
Drainage Area	of Watershed 5.2 s	q. miles	
Water Supply 1	Type Melting snow, pre-	cipitation, springs.	
Emodila & Cumre	Dout of Strombod of	omposed of soft sand and silt in lower section.	
	e walked to barrier.	imposed of soft said and sift in lower section.	
Screambank Can be	Notes Soveral deep po	ols thought to be springs may mask some fish	
the good spawning	g area in the upper section	on may be partially concealed by overhead cover	
			•
Andhorage			
Tide Stage Whe	en Surveyed		
FISHERY RESOU	RCES		
Commercial 1	Fisheries Pink, ch	um, coho, king, red.	
JOHNETCIAL	T BITCT TC 0		
Escapement	8-9-68, 800 pinks, 1963 -	80 kings, 7-29-61 - 80 chums, 45 pinks, 80 kin	as
13 reds. spa	wning area: 604 m ² (400'	x25'x65% ASA)	·
Species Com	position Incomplete esc	apement information major king salmon spawning	
area.			
Timing Jul	y-August		
Schooling a	reas Several deep (15-	20') pools at upper section of slough.	_
J			
Shellfish P	otential		
			_
Sport Fishe	ries Rainbow, cutthroa	t, dolly varden probable.	
			_
Land Use at	Present Recreational	hunting and trapping.	
			-
History of	Land Use <u>Sawmill in ar</u>	ea.	-
Rehabilitat	ion Potential Pract	icality of removing barrier doubtful.	-
renabilitado			-
Soils Subs	urface of area and headwa	ters lava rock. Fine sand and silt in	-
lower reaches			•
TOWCE TCGGIOS			•
GAVE RESOURCES		,	
Bear		(old or fresh) on banks, estimate	
	Number of droppings		
Geese	Number seen on tide flat	JS	_
	Number seen up creek		
	Number of broods seen		_
Fallards	Number seen on tide flat	SS	
	Number seen up creek		
	Number of broods seen		-
	Number of broods seen		
	Number seen along creek		
	Number of nests seen an	dlocation	
Seals	Number seen at mouth of	stream	
Tide flats -	Estimate length along b	each	
	Estimate depth out from	beach	
	· · · · · · · · · · · · · · · · · · ·	at percent of flats	

STREAM INVENTORY FORM

Name: Sawmill Slough CReek

Observers: R.Larson, D.Siedelman

11-20-75 Date:

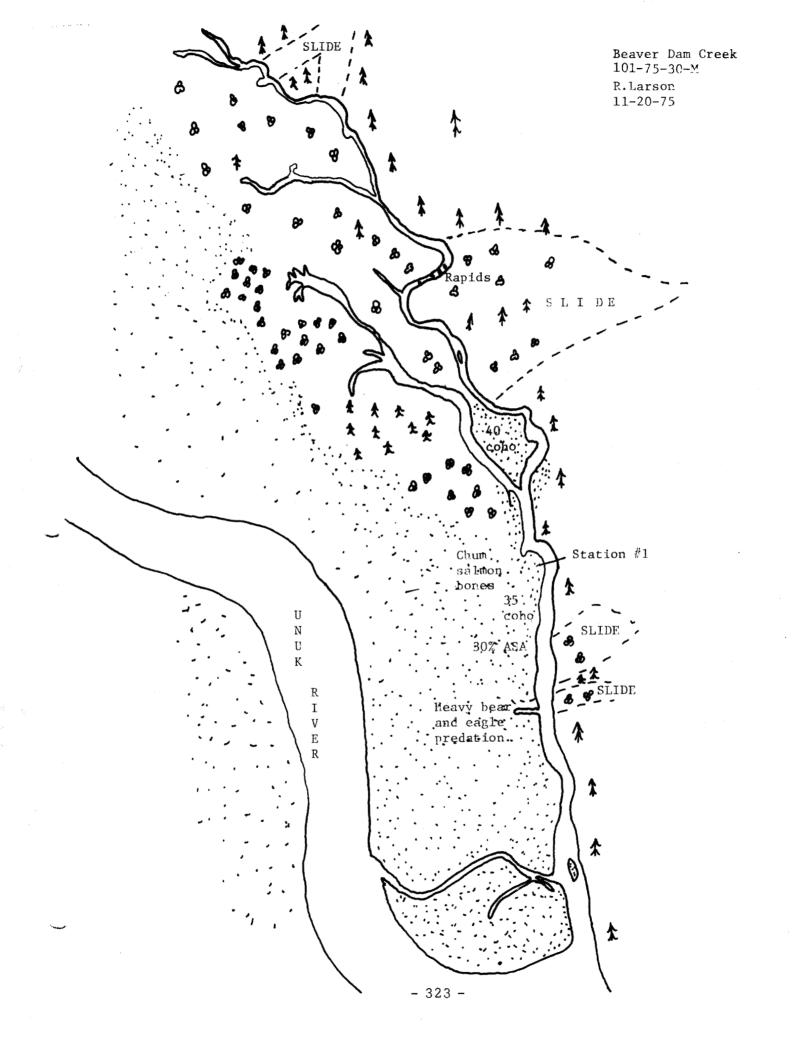
Temperature: 34 Weather.

						GWALLE DEGLET				Weather: Overcast					
				Nu	mber:	101-	75-30	-	 	,	weathe	1:	rercasi		
Station No.	1														
Pool Size/Type	1/1														
Riffle Type Width-Depth		,,													
Pool Riffle Frequency	1														
Bottom Type (Riffle)	1			·											
Color/Turbidity	1/1														
Velocity	1														
Flow (C.F.S.)															
Temp. (°F.)	39														
pН	5.5														
Fry Abundance	-														
Benthos Sample No.	0		-												
Higher Plant Class	1														
Aquatic Veg. Density Ident.	2														
(1) Mosses (2) Algae	2														

General Remarks (rehab., land use, barriers, log jams, etc.): 40' wide at mouth. Very sluggish with a soft bottom No measurable current, 0% ASA much watermoss (Fontinalis sp.) in clear section reported during summer during 1961.

Sawmill Slough

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
' - 29-61	45	80	80 kings, 13 reds	
-63			80 kings	
-9-68	800			
-8-75			8 kings	
				•
: :				
:				



Name Beaver	Dam Creek 56° 19' 00"	Catalog No.	101-75-30-M	
Latitude N	56° 19' 00"			
Longitude <u>W</u>				
17-11.11-11.11	SOL Bradileid Lanai B-3		Ketchikan	
location Mile	23 E.side Unuk River	Watershed Le	ngth 1 mile	
Drainage Area	of Watershed .9 sq.	miles		
water Supply :	Type Melting snow, pred	cipitation, grou	ndwater.	
Emodia & Cunt	ov Poutos Stroombal or	ho 11 1		1 1
Banks are gener	ey Routes <u>Streambed ca</u> ally open but can be quite	hrushy in the	normal or low water .	Levels.
famial Survey	Notes Practical only	during the clear	upper sections.	- f - 11
Fish in lower h	alf of stream seen quite	easily then	water periods of face	e lall.
Anchorage	dir or beream been quite	casily chem.		
	The second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of the second section of the section of the second section of the section			
Tide Stage Who	en Surveyed Not inf	luenced by tide.		
FISHERY RESOU				
	Fisheries Pink, chum	coho		
COMMETCIAL .	risheries iink, chum	, cono		
Escapement	Only documented escapement	11-20-75: 75	live cobo 10 kills	
Spawning area	: 878 m ² (20' x 1350'	x 35% ASA)	TIVE COMO, TO ALTIS.	
Species Com	position			
•				
Timing Aug	ust (pink, chum)			
Schooling a	reas Pool immediately	below station.		
	<u> </u>			
Shellfish P	otential			
Sport Fishe	ries Spawning area for	r Dolly Varden		
Tand Hee at	Present Recreation	and huntina		
Dana ose at	Recleation	and nuncing.		
History of	Land Use Extensive m	ineral explorati	on in the area.	
Rehabilitat	ion Potential None	needed.		
Soils Bedl	oad movement during period	<u>ls when the Unuk</u>	floods.	
GAME RESOURCES				
Bear,	Fish carcasses or bones	(old or fresh) o	on banks, estimate	10
	Number of droppings			10
Geese	Number seen on tide flat		-	
	Number seen up creek		-	
	Number of broods seen		-	and the second s
Hallards	Number seen on tide flat	S	-	and the state of t
	Number seen up creek		-	
	Number of broods seen		-	
•.	Number of broods seen		-	
Bald Eagles-	Number seen along creek		-	3
a -	Number of nests seen and			
	Number seen at mouth of			
Tide flats -	Estimate length along be			
	Estimate depth out from			
	THE CONTRACT PROPERTY OF THE	T DEPOCAT At the	2 T 2	

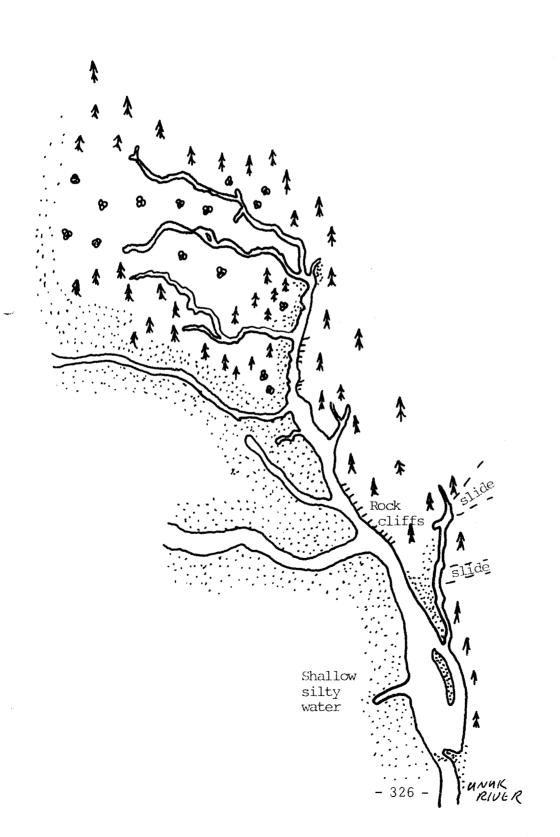
				Me	me:	Doorrow	Dom C	ma alt			marra est	11-	32		
								Leek			Temper Weathe		vercas		
	1	 		Nu	mber:	101-75	-30-M	 			weathe		T	7	
Station No.	1														
Pool Size/Type	1/1														
Riffle Type Width-Depth	21' W										·				
Pool Riffle Frequency	2														
Bottom Type (Riffle)	4														
Color/Turbidity	1/1														
Velocity	2														
Flow (C.F.S.)	6.4														
Temp. (°F.)	37°														
pН	6.5							·							
Fry Abundance	0				_										
Benthos Sample No.					-		-								
Higher Plant Class	1		:												
Aquatic Veg. Density Ident.	2														
(1) Mosses (2) Algae	2														

STREAM INVENT Y FORM

Observers: R. Larson

General Remarks (rehab., land use, barriers, log jams, etc.): Evidence of previous chum salmon. Otter, bear and moose sign.

Cottonwood Creek 101-75-30N 11-20-75 Larson, Siedelman, Ahrendt



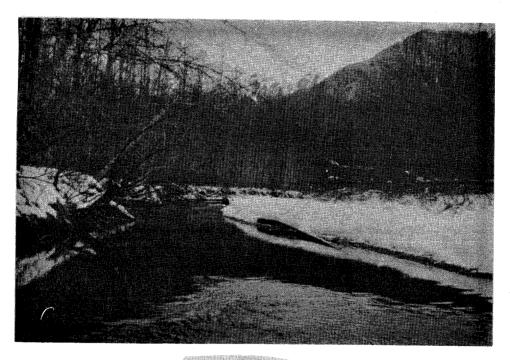
Name Cotton	wood Creek C	atalog No.	101-75-30 N	
Latitude N	wood Creek C 56°17'30" W 130°47'00" K	R No		
Longitude W	130°47'00" K	No		
Geodetic Map	Wo. Bradfield Canal B-3 W	ork Area Ket	chikan	
Location mi. 20	No. Bradfield Canal B-3 W .5 E side Unuk River W	atershed Leng	gth 3 miles (maj	or trib, includ
Drainage Area	of Watershed 2.1 sq. m Type Melting snow, precip	niles.		
water Supply	Type Melting snow, precip	oitation, ground	lwater.	
Trails & Surv	ey Routes Stream can be e	easily walked di	uring period of lo	w water.
01000	Notes Only practical for			water is
Anchorage				
	en Surveyed Not infli			
FISHERY RESOU		-		
	Fisheries Chum, pink and	i coho.		
Escapement	Only 2 documented surveys:	8-61, 76 chum,	2 pink; 11-30-75,	2 coho
$(1000' \times 19')$	x 35% ASA) Spawning area 61	8 m ² .		
Species Com	position Chum major spect			
				
Timing Au	gust (pink, chum)			
schooting a	i cas			
Shellfish P	otential			
01102222011				
Sport Fishe	ries <u>Dolly Varden spawni</u> r	ng area.		
Land Use at	Present <u>Recreational hu</u>	inting,	Λ	
History of	Land Use <u>Extensive mine</u>	ral exploration		
Renabilitat	ion Potential None need	led .i		
Soils_ Bedlo	ad transport when UNUK R. f.	loods.		
GAME RESOURCES				
Bear	Fish carcasses or bones (o	ld or fresh) or	hanks estimate	
	Number of droppings	ad of fredity of	Darko, Coomizio	
Geese	Number seen on tide flats			
	Number seen up creek			
	Number of broods seen			
Mallards	Number seen on tide flats			
	Number seen up creek			
	Number of broods seen			
	Number of broods seen			
raid Hagies-	Number seen along creek	000+4.0%		
Saale	Number of nests seen and l			
	Mumber seen at mouth of st Estimate length along beac			
1405 11408 -	Estimate depth out from be			-
	Eel grass present on what		is.	
	Current Transporter off	,	~	

STREAM INVENT Y FORM Observers: Larson, Siedel . Ahrendt Date: 11-20-75 Name: Cottonwood Creek Temperature: Weather: Overcast Number: 101-75-30N Station No. 1 Pool Size/Type 1/2 Riffle Type 19'W Width-Depth .3'D Pool Riffle Frequency 2 Bottom Type (Riffle) 1/4 (sand mixed with 1/2"-1 1/2" gravel) Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 3.9 Temp. (°F.) 40° рΗ 6.5 Fry Abundance 0 Benthos Sample No. Higher Plant Class 1 Aquatic Veg. 3 Density

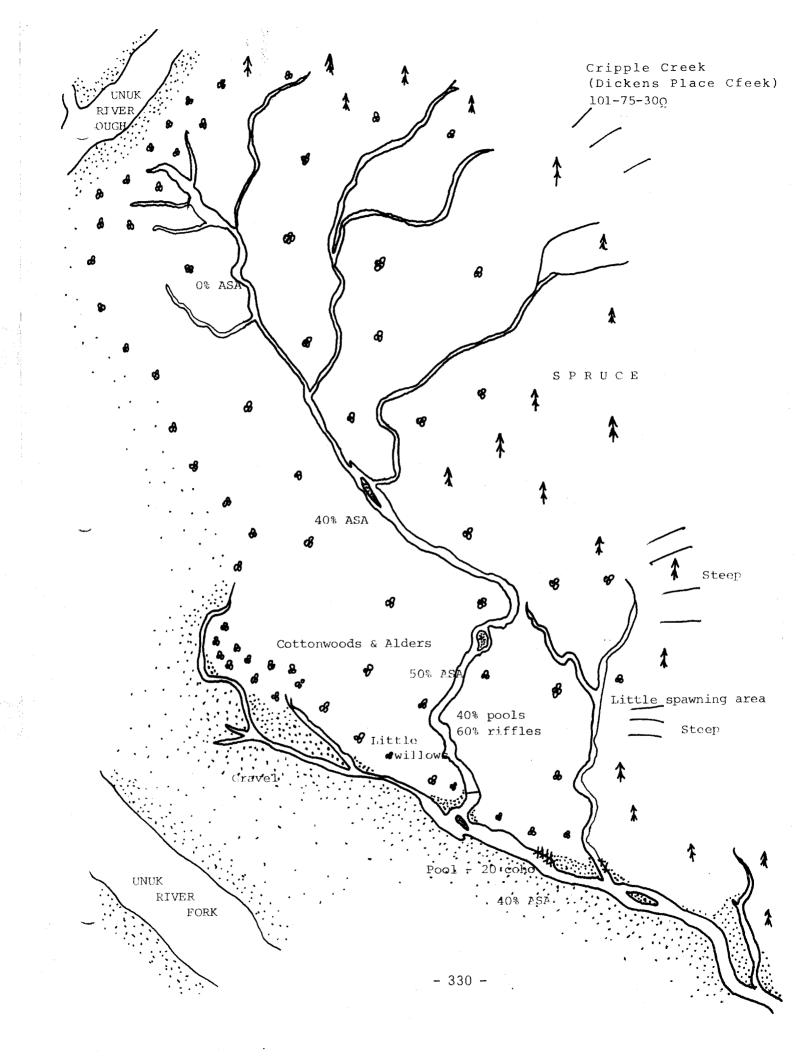
General Remarks (rehab., land use, barriers, log jams, etc.):
Some cottonwood trees. 2 live coho, several redds.

2

Ident.
(1) Mosses
(2) Algae



CRIPPLE CREEK (Dickens Place Creek)



Cripple Creek

101-75-	30Q			
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
8-10-58	4		80 kings	
8-9-68	2,500		475 kings	
8-15-69	20		25 kings	
8-9-72	110	О	95 kings	
8-5-73		325	65 kings	
8-1-74			20-30 kings	
8-17-75	600	75	17 kings	
			·	
į.	And the second s			
	And the state of t			
		ļ	- 331 -	

Name Cripple	reek N 56 16' W 130 47'45"	Catalog No	101-75-30Q	
Latitude	N 56 16'	WR No.		
Longitude	W 130 47'45"	K No.		
Geodetic Map	W 130 47 45" O. Bradfield Canal B-3	Work Area	Ketchikan	
Locathon E.side	e Unuk R immed. above 1st (Markon cshed Len	gth 7 miles.	major trib. inc
Drainage Area	of Watershed <u>ll sq. mi</u> Type Melting snow, preci	lles		
water Supply	Type Melting snow, preci	pitation, ground	iwater.	
Trails & Surv	ey Routes Stream bed ar	nd banks can be e	easily walked at lo	w water.
Aerial Survey	Notes Only practical who	en water clears i	in fall; the upper	areas of
the clearwate	r streams may be partially	concealed by ove	erhead cover.	
Anchorage				
Tide Stage Wh	en Surveyed			- Control of the Cont
FISHERY RESOU				
	Fisheries Pink, chur	n, king, coho		
Escapement_	105 chum, 12 pink, 3 king	(others concealed	ed by glagial water) 11-20-75
20 live, 5 ki	lls coho. 8-9-68, 475 kind	gs. Spawning are	ea 5806 m² (5000'x2	5'x50%ASA)
	position <u>Major king sal</u>	mon producer. Co	onsiderable number	of pinks
at times.				
Timing Ju	Ly-August.			
Schooling a	reas			
Shellfish P	otential			14 14 15 15 15 15 15 15 15 15 15 15 15 15 15
Sport Fishe	ries <u>Rainbow, dolly va</u>	rden trout, cuttl	nroat.	
Tand Ugo of	Drogant Descriptional	lare to the control of the control o		-
Land Use at	Present Recreational	nunting.		
History of	Land Use Mineral explo	oration in area.		
Rehabilitat	ion Potential None no	eeded.		
Soils Lowe	r section subject to bed lo	oad movement when	n the Unuk River fl	oods.
GAME RESOURCES				
Bear	Fish carcasses or bones (old or fresh) or	hanks estimate	5
	Number of droppings	ond or involing of	i benero e coominatoc	
Geese	Number seen on tide flats	3		
	Number seen up creek			
	Number of broods seen			an an annual the residence of the second of
Mallards	Number seen on tide flats	3		*** **********************************
	Number seen up creek			_
	Number of broods seen			an order i representational productivation and approximately approximate
Mergansers -	Number of broods seen			State of the State
Bald Eagles-	Number seen along creek			
_	Number of nests seen and			1
	Number seen at mouth of s			
Tide flats -	Estimate length along bea			A 10. 10. 10. 10.
	Estimate depth out from h			- AND TO - A M
	Eel grass present on what	percent of flat	us .	

Observers: R.Larson, D.Siedelman STREAM INVENIORY FORM Date: 11-20-75 Name: Cripple Creek Temperature: Weather: Overcast Number: 101-75-30 Station No. 1 Pool Size/Type 1/2 Riffle Type 24'W Width-Depth Pool Riffle Frequency 2 Bottom Type (Riffle) 1/2-2" Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 11 Temp. (°F.) 36 рΉ 6 Fry Abundance Benthos Sample No. Higher Plant Class Alder & Cottonwood Aquatic Veg. 2 Density Ident.

General Remarks (rehab., land use, barriers, log jams, etc.):

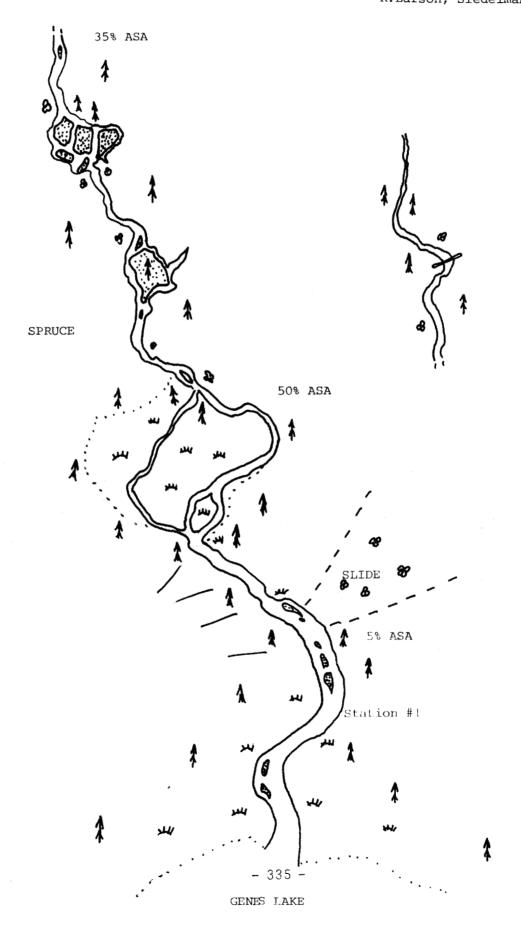
(1) Mosses(2) Algae

(



GENE'S CREEK

Gene's Lake Creek 101-75-30R 11-20-75 R.Larson, Siedelman



Name Gene'	s Lake Creek 56 12'15" 30 53'30"	Catalog No.	10 1-7 5-30R	
Latitude N	56 12'15"	WR No		
Longitude <u>W 1</u>	30 53'30"	K No.		
Geodetic Map 1	No. Bradfield Canal A-3	Work Area Ket	chikan	
Location Mile 1	No. Bradfield Canal A-3 2 W.side Unuk River of Watershed 11.6 sq	Watershed Ler	igth 8 miles (fro	m lake)
Drainage Area	of Watershed 11.6 sq	. miles		
	Type Approximately 240			
tion, melting	snow.			
Trails & Surve	snow. ey Routes Considerable	areas of grass of	on banks, streambed	can be
walked easily	at low or normal water l	e vels ,		
	Notes Clear water str	eam, steep nills	sides, light colore	d bottom
in lower sect				
Anchorage				
Tide Stage Wh	en Surveyed			
FISHERY RESOU				
	Fisheries Pink, chum	king coho rec	4	
COMMETCIAL .	risheries rimit, cham	, king, cono, ico		
Fscanement	8-10-58 - 130 kings, 60 r	eds 10 cobo 7-	29-61 - 10 chum 10	nink 200
	. 1963 - 45 kings. 8-75			
Species Com	position Information	lacking, major l	king salmon produce	r.
Timing Jul	y-August			
Schooling a	reas In head of lake.			
Shellfish P	otential			
Sport Fishe	ries <u>Excellent at ti</u>	mes. Rainbow, do	olly varden, cutthr	oat present.
Land Use at	Present Recreational	nunting and Fish	ing.	
III at one of	Land Use Mineral explo			
urscory or	Land Use Fineral explo	racion.		
Rehabilitat	ion Potential None n	eeded.		
Renabilion	Ton Todential none is			
Soils Lowe	r streambed very find gra	ined material, go	enerally stable thr	oughout.
2011				333333
·				
GAME RESOURCES				
Bear	Fish carcasses or bones	(old or fresh) o	n banks, estimate	5
	Number of droppings			
Geese	Number seen on tide flat	S		
	Number seen up creek			
	Number of broods seen			
Mallards	Number seen on tide flat	S		
	Number seen up creek			
3.0	Number of broods seen			
	Number of broods seen			According to the Control of the Cont
Bald Eagles-	Number seen along creek	n m		1
G T -	Number of nests seen and			
	Number seen at mouth of		ported in Lake)	
Tide flats -	Estimate length along to			
	Estimate depth out from		1	
	Eel grass present on wha	a percent of Ila	.US	

STREAM INVENTORY FORM

Observers: R.Larson, D.Siedelman

Date: 11-

11-20-75

Name: Gene's Lake Creek (Upper)

Temperature: 34
Weather: Overcast

Number: 101-75-30 Station No. 1 Pool Size/Type 2/2 Riffle Type 34' W Width-Depth Pool Riffle Frequency 2 Bottom Type (Riffle) 1-2 Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 19 ω ω γ Temp. (°F.) 36 рΗ 5 Fry Abundance 0 Benthos Sample No. Higher Plant Class 1 Aquatic Veg. 2 Density Ident. (1) Mosses (2) Algae 2

General Remarks (rehab., land use, barriers, log jams, etc.):

Pink bones on bank.

1

Genes Lake Creek 101-75-30R

101-75-3				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-10-58			130 kings, 60 red 10 coho.	
7-29-61	10	10	200 kings, 400 red	ls
7-63			40-50 kings	
8-15-69			2 kings	
8-9-72	900		30 kings	
8-5-73	140		2 kings	,
8-8-75			0 kings	
	:			·
		-		
5 5 8				
i { ·				
i :				
			- 338 -	

101-75-30T

Name Lake	Creek	Catalog No.	101~75-30T	
Latitude N	Creek 56 08'	WR No.		
ongitude W	130 58' 5"	17 140 •		
Geodetic Map	No. Bradfield C. A-3	Work Area	Ketchikan	_
Location W.side	6 mi. Unuk River	Watershed Le	ength Approx. 23 m	niles, 19 mi. U.S.
Drainage Area	of Watershed Approx.	87 sq. mi. 72	miles in U.S.	
Water Supply	Type Glacier, melting sr	now, precipitation	on.	The state of the s
Trails & Surv	ey Routes An airplane	e can be landed	1/2 mile below fall	s. A river
	tiate creek to riffles be			
Aerial Survey	Notes Visibility rest	ricted much of	y <mark>ear due to turbid</mark> i	ty of water.
Anchorage				
Tide Stage Wh	en Surveyed		**** *** *** *** **** **** **** **** ****	
FISHERY RESOU	RCES			
	Fisheries Pink, ch	um king coho		
Only good Spa	whing area 3 miles unstra	am from mouth h	elow falls	
Escapement	wning <u>area 3 miles upstr</u> Spawning area = 3261 m	2		**************************************
	$\frac{\text{spawning area} - 3261 \text{ m}}{(45' \times 400' \times 70\% + 45' \times 2500')}$	x20%)		
Species Com	position Not enough e	scapement survey	S .	
Important kir	ng salmon producer.	Joapellion Day ver	X.	And the second s
Timing Ju				
Schooling a	reas Pool below fall			
24		<u> </u>		
Shellfish F	otential			
		· · · · · · · · · · · · · · · · · · ·		
Sport Fishe	ries Excellent at tim	es - cutthroat,	rainbow and Dolly V	Jarden.
-				
Land Use at	Present Recreational	hunting and fis	hing, trapping,	
History of	Land Use Mineral expl	oration.		
Rehabilitat	ion Potential None	needed.		
	n of area low and marshy.	Streambed of f	ine grained materia	al for most
of the lengtl	1.			
	•			
GAME RESOURCES				
	77. 1	(.74 0	11	•
Bear	Fish carcasses or bones		on banks, estimate	<u> </u>
		Tracks.		
Geese		.ts		
	Number seen up creek			
	Number of broods seen			
Hallards		its		
	Number seen up creek			
	Number of broods seen			Annual support to a company of the first of the control of the con
Mergansers -				the distributions can be the trade response appears of the filter to compare the purpose of the filter to the compare the purpose of the compare the compare the compared to t
Bald Eagles-				
	Number of nests seen ar			
Seals	Mumber seen at mouth of	'stream		,
Tide flats -	Estimate length along b	each each		
	Estimate depth out from			
	Fel grass present on Wh		lats	

Observers: Larson, Siedel 1, Ahrendt

Date: 11-20-75

Weather:

Temperature: 34

Overcast

Name: Falls Creek

Number: 101-75-30T

Station No. 2 1 Pool Size/Type 1/1 1/1 Riffle Type 46'W 30'W Width-Depth Pool Riffle Frequency 1 1 Bottom Type (Riffle) 4 4 Color/Turbidity 1/1 1/1 Velocity 2 Flow (C.F.S.) 149 Temp. (°F.) 35 35 рΗ 5 5 Fry Abundance 0 0 Benthos Sample No. Higher Plant Class 1 1 Aquatic Veg. 3 3 Density Ident. (1) Mosses (2) Algae 2

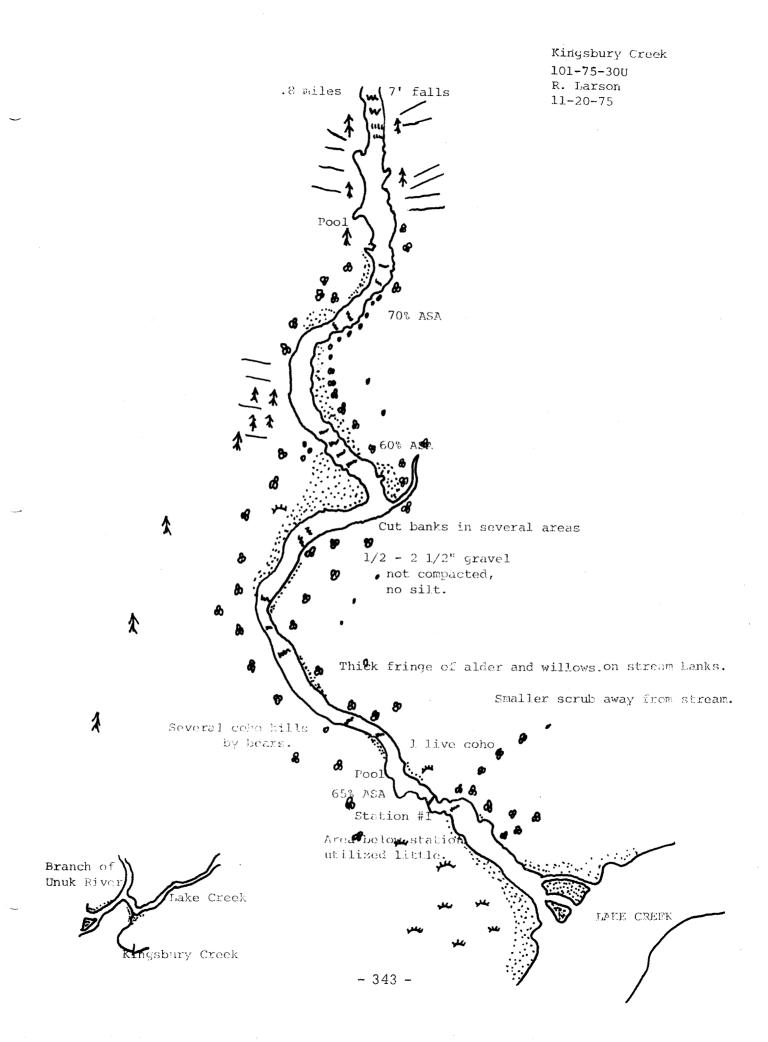
General Remarks (rehab., land use, barriers, log jams, etc.):

1 coho (female).

red covered bottom (iron?)

Lake Creek

101-75-301	·		- 	—————————————————————————————————————
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
7-14-49				No fish seen.
7-26-51				200 fish
8-10-52	500	220	25 red	20 dead pink, 50 dead chum.
8-10-58	Many	Some	Many kings	
8-16-61	23	1		
7-63			35-40 kings	
8-9-68	300	50	25 kings	
8-15-69	•		l king	
8-20-72		650	55 kings 150 red	
8-5- 73	20			
8-1-74			10 kings	
8-8-75	·		10 kings	8-12, 15 pinks, 5 kings
		•		
			- 342 -	



Name Kingsbur	y Creek 56 07' 45" 130 57' 50" O. Bradfield C. A-3	Catalog No.	101-75-30U	
Latitude N	56 07' 45"	WR No.		
Longitude W	130 57' 50"	K No.		
Geodetic Map	O. Bradfield C. A-3	Work Area K	etchikan	
Location 5.snc	re Lake Cr. 400 yds. Ir.	unuka sersned hei	OFUL 9 miles, Mai.	trib.included.
Drainage Area	of Watershed 14 sq.	miles		
Water Supply '	Type Precipitation, mel	ting snow,		
	ey Routes Streambed		falls at normal or	low water
levels. Banks	are quite brushy in lowe	r section.		
	Notes First 1/4 mile	easily surveyed.	Several pools may	mask
some fish.				
Anchorage				
Tide Stage Wh	en Surveyed			
FISHERY RESOU	BCES			
Commarcial	Fisheries Pink, chu	m, king, red, coh	0	
JOHENCT CEAE	T Dilot Leo	,,,		
Escapement	Spawning area: 6122	m ²		
	26'x4224'x60%) Scarse n	umber of surveys.		
Species Com	position Important sp	gwning area for k	ings and coho.	
•				
Timing				
Schooling a	reas Lower portion of	Lake Creek.		
Shellfish P	otential			
	ries None observed.	Probably spawnin	g area for cutthroa	t, rainbow,
and Dolly Var	den.			
Land Use at	Present Recreationa	I hunting, trappi	ng.	
Eistony of	Land Use Mineral exp	lovation		
miscory of	Land Use Mineral exp	loration.		The second section of the second seco
Fehahilitat	ion Potential Fal	le are accodiated	with steen gradien	t Chould'
	n future for alteration			
Soils Stak		reasibility,		
DOTTO DOM				
	,			
GAME RESOURCES				
GRUE TESCONORS				4
Bear	Fish carcasses or bones		on banks, estimate	7
	Number of droppings			
Geese	Number seen on tide fla	its		
	Number seen up creek			
	Number of broods seen			
Mallards	Number seen on tide fla	ıts		
	Number seen up creek			
	Number of broods seen			
Mergansers -	Number of broods seen			
Bald Eagles-	Number seem along creek	p		1
	Number of nests seen ar			The second secon
	Number seen at mouth of			
Tide flats -	Estimate length along b	beach		
	Estimate depth out from			- park a state of the state of
	Eel grass present on wh	nat percent of fl	ats	

General Remarks (rehab., land use, barriers, log jams, etc.): 1 coho. Bear and martin sign. 7 carcasses in snow.

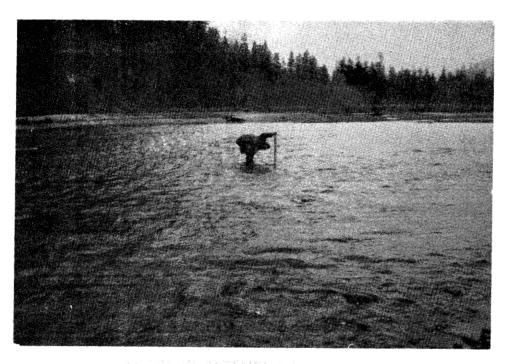
(1) Mosses

(2) Algae

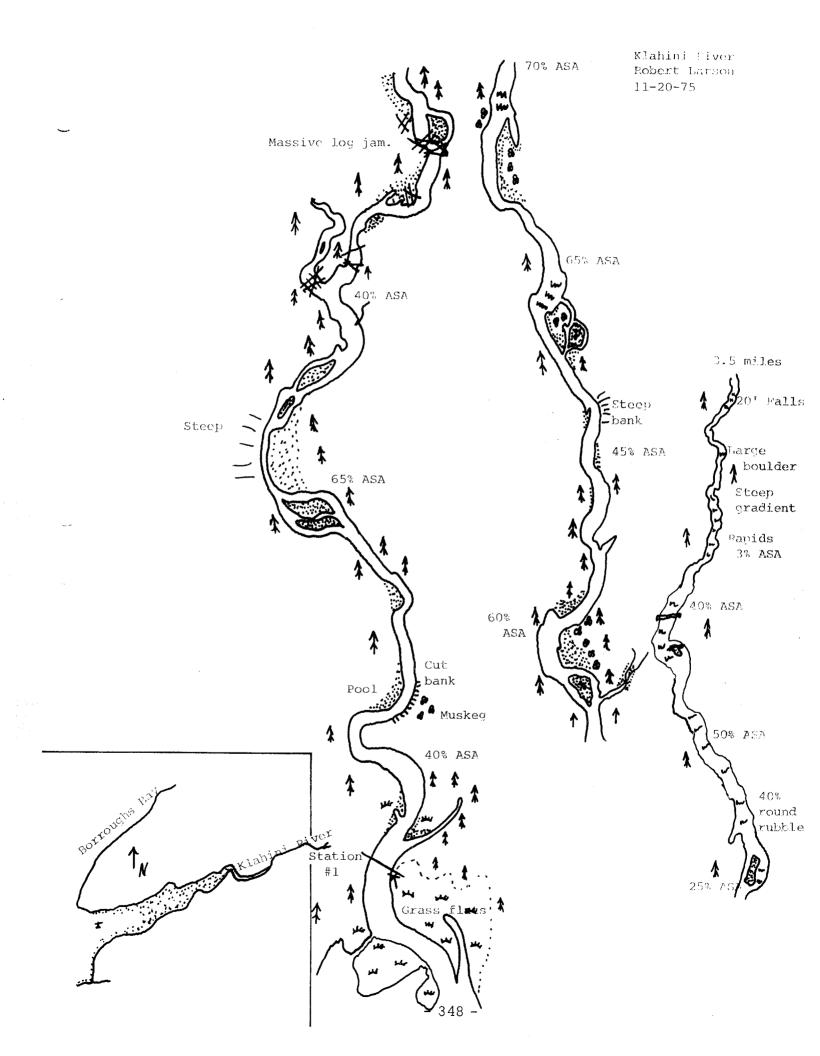
2

Kingsbury Creek (Clear Creek) 101-75-30U

DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
0 10 50	3 0001	330	70 hinas 20 mada	
8-10-58	3,000+		70 kings, 30 reds	
7-27-61	28	550	65 kings, 63 reds	
8-9-68	4,500			
3-20-72	15	00	90 kings	400-500 dead. 3500 pinks & chu
3-5-73	350		17 kings	
8-17-75	950		45 kings	
	-			
	1			
				,
		·		
	:			
			1	
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Klahini River, station #1



Klahir	i River	Catalog No. 101-75-50	
The second of the second	N 56 03' 15"	WI NO. 43A	
0.1.31.1.11000	W 130 02' 53"	K NO. 47	
	.°∙ Bradfield C. A-4	WOYR Area Ketchikan	
- I Side	Burroughs B. 2 mi. from	m headersned Length 16 mile	S
Dreinago Area	of Watershed 100 s	sg. miles (polar planimeter)	
Weter Supply	Type Glaciers, snow	field and precipitation.	
Territor & Survey	ev Routes Came trail	s along bank, Stream can be hiked	to barrier
falle during r	ormal water levels		
Arriol Survey	Notes Wide valley	and stream plus light colored botto	m makes
aeriai siirvev	efficient method of call	mon enimeration.	
The same Fore	est Service float inside	of point between Unuk and Klahini	Rivers on
North shore.	St Dervice from Instac	or point between onak and relating	ICIVCIS OII
Tide Stage Wh	en Surveyed		
FISHEPY RESOU	RCHS		/
		hum, coho and king	
the contract of the contract o			
Escapement_	Hi esc. 30,000 pink 8-50	0. Hi chum 30,400 '50. Hi pink es	c. since 1961
20,000 '70. Lo	ow esc. since '61: 200 '6	65. 14 yr. ave. since '61: 7457.	manufact - 200 or surrelinan manufactioning persons, - 1000001
Charies someon	(50'x15,000'x45%) Spawn:	y pink, has been important chum pro	dugor
Species compos	cly - July Aug	y pink, has been important chum pro	uucer.
Silling o	maca		
SULLOULLIA C	reas		te or major, was present to constant telephological auditorial of the constant
Shallfish P	Otential Dungonous or	ab are found in shallow areas throu	ghout Burroughs
Rav			
Bay. Short Fishe	mies Rainbow, cuttho	rat and Dolly Varden trout.	Arthquey y contra pitch i descrip minimumb y Republishy antihymethick ye (1914g) up y
	natibowy caecilo.	rat and borry varaen croacs	manyang ana salamah ti asarasanang timbili da di
land Use at	Present Recreation	al hunting and fishing. Important	feeding and
resting area :	or migrating waterfowl.		Andrew Court Space of Association and Associat
History of	Land Use Unknown.		Apparent alignet in an application of the committee of th
C			A STATE OF THE PARTY OF THE PAR
Rehabilitat	ion Potential N	o rehabilitation needed to increase	salmon pro-
duction potent	ial.	The state of the s	
Ocius (Generally stable, little	braiding.	and the contract of the contra
S. Y. Jahn, F. Warning (Page - Communication)			
THE RESOURCES			
To over	Eich Annaceana ea hono	s (old or fresh) on banks, estimate	e 10
1961	Number of droppings	s (out or fresh) on banks, escuration	2
"range	lumber seen on tide fla	otro	And the second control of the second control
.7000	Thumber seen on tide in	aos	graduation of the second secon
	Number of broods seen		A THE PERSON AND A PERSON NAMED IN COLUMN 2 IN COLUMN
1763 Tanada		o to a	
Pallaros	Number seen on tide fla	aus	
	Number seen up creek		and the second s
	Number of broods seen		
•	Number of broods seen	1	2
twill the βilice⊷	Number seen along cree	h	
Chart .	Number of nests seen a		· · · · · · · · · · · · · · · · · · ·
	Hunber seen at mouth o		particular de la companie de la comp
	Estimate length along		The second of the second second second
	Estimate depth out fro		The state of the s
	- Bel grass present on w	ante percent of Ilass	manager of the first own size of continues and continues

					Nar	me: K	lahini	River			-	l'empera	iture:	52 	
					Nu	mber:	101-75-	-50			\ 	Veather	<u> </u>	Rainy	
Station No.	1														
Pool Size/Type	3/2														
Riffle Type Width-Depth	135'W .91'D			٠.											
Pool Riffle Frequency	3														
Bottom Type (Riffle)	4			-											
Color/Turbidity	1/1														
Velocity	2														
Flow (C.F.S.)	330					 									
Temp. (°F.)	46														
pН	5		1												
Fry Abundance															
Benthos Sample No.									,						
Higher Plant	7														
Aquatic Veg. Density Ident. (1) Mosses	3														
(2) Algae	1	i]		<u> </u>	<u> </u>	<u> </u>	L	l	l	L		

STREAM INVEN! Y FORM

Observers: R.Larson & D. (Date: 9-24-75

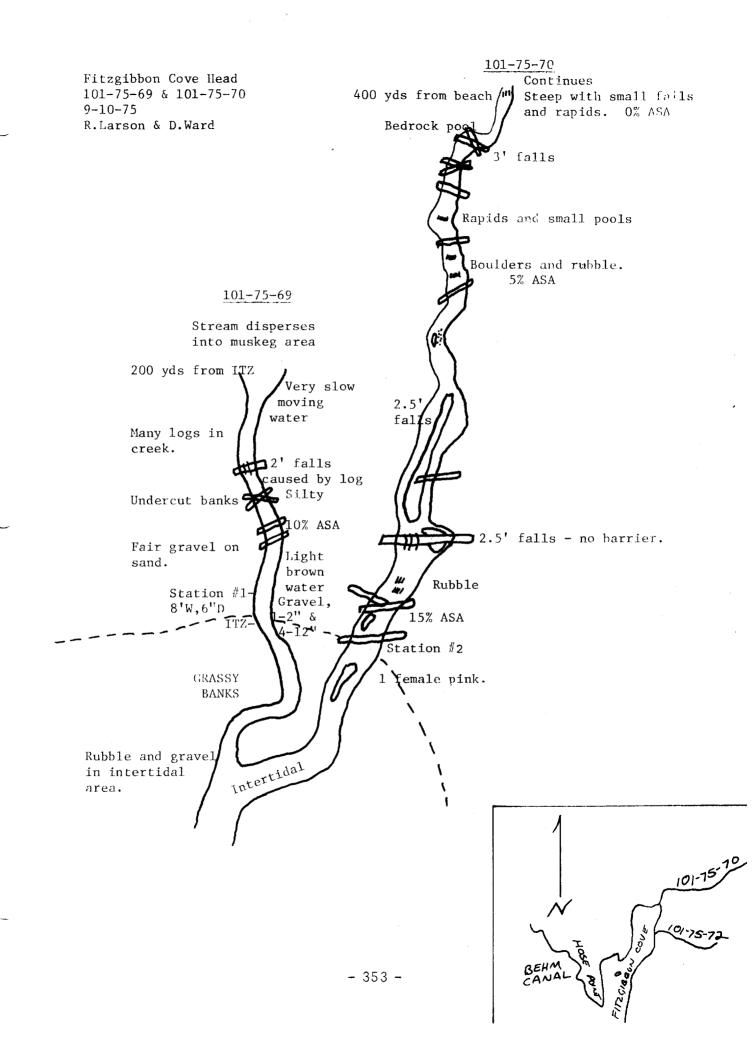
General Remarks (rehab., land use, barriers, log jams, etc.):

Klahini 101-75-50

101-75-50				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-16-43				I.T. Few, mainly brights.
9-10-47				I.T. 30-35 dead pink.
9-9-48				Poor pink, fair chum.
9-23-49	18,000	4,000		4500 dead pink, 1000 dead chum
8-4-50	30,000	30,000 on 8-2		400 dead chum.
8-2-51	11,250	5,650	7 kings	Many dead pink, 400 dead chum, many fish overlooked.
8-12-52	3,860	1,070		104 dead pink, 400 dead chum.
8-3-53	4,000	1,670	17 king. 41 kings on 8-23	
8-3-54	1,000	800		Visibility not good.
7-31-55	3,000	1,000		
8-16-56	9,000	1,000		
7-31-57	2,000	6,000		
9-1-60	100	50		All spawning.
8-2-61	500	3,500		Most spawning. High peak escapement pinks 3,700 7-25.
7-31-62	3,900			Schooled in stream.
8-3-63	2,500	100		Good vis. in stream. I.T. area glacial. N.O. I.T.
8-4-64	19,	500		Visibility fair.
8-16-65	200			500 chum on 8-3. Vis. excellent.
7-12-66	11,500			Few at I.T. Vis good. 1500 dead
7-31-67	200	2,600		Visibility good.
7-29-68	12,000	1,600	·	1500 @ I.T., 200 @ mouth. Vis. ex. Chums spawning heavily.
8-1-69	700	200		Visibility fair.
8-4-70	11,000	2,200		I.T. included in stream count.
8-31-71	1,400		- 351 -	400 chums on 8-12.

Klahini

101-75-50)	er i generalisadig silgalis (191 1927) graft i mar flysker fam graft faste å slat		
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-9-72	19,000	4,200		6 balls @ mouth. Visibility good
8-17-73	1,800	50%		Visibility good.
8-15-74	6	000		1000 dead. Visibility good.
8-18-75	2,000	1,500		1000 dead chum. Vis. excellent. 600 @ I.T.
	-			
and the same of th				
: : :			- 352 -	



Name Fitzg	ibbon Cove Head	Catalog No.	101-75-69 & 10	1-75-70			
Latitude N	55° 59' 14"	WR No.					
Longitude W	131° 10' 25"	K No.					
Geodetic Map 1	10. <u>Ketchikan D-4</u>	Catalog No. 101-75-69 & 101-75-70 WR No. K No. Work Area Ketchikan Watershed Length					
Eccessor benn C	• FILZEIDDON GOVE K.nead)				
Drainage Area	of Watershed 1.8 so	. miles (polar pla	mimeter)				
Water Supply	Type <u>Precipitation</u>						
Trails & Surv	y Routes Streambed o	an be walked at no	rmal water levels	•			
Aerial Survey	Notes This stream is	too small to surve	y by air.				
Anchorage Ex	cellent anchorage in the	inner cove.					
Tide Stage Wh	en Surveyed Low.						
FISHERY RESOU	RCES						
Commercial	Fisheries Is a small	creek without mud	h good spawning o	r rearing			
area and th	us would not have much po	tential for fisher	v production.				
Escapement	No records of previous e	escapements. 9-10-	-75. l female pink	Total enamnia			
area: 133 m ²	$(1200'L \times 10'W \times 10\%)$	ASA) + $(600'L \times 8'$	W x 5% ASA)				
Species Com	position Probably al	ll pink.					
Timing							
Schooling a	reas Off mouth of cree	≥k.					
				· ·			
Shellfish P	otential <u>Good crab</u> fi	ishery in bay.					
Sport Fisher	ries None						
DOOLO LIDILO	TION THORE						
Land Use at	Present None						
history of	Land Use <u>Unknown</u>						
Rehabilitat	ion Potential None						
Codla W 1		C 1 .C.C					
Soils <u>Much</u>	rock with thin cover of	rorest duri.					
GAME RESOURCES							
Bear	Fish carcasses or bones	(old or fresh) on	banks, estimate	0			
	Number of droppings			0			
Geese	Number seen on tide fla	ts	•	0			
	Number seen up creek			0			
15 - 7 7 A -	Number of broods seen	4		0			
Mallards	Number seen on tide fla	.08		0			
	Number seen up creek Number of broods seen			0			
Mergansêrs -	Number of broods seen			2 adults			
Bald Eagles-	Number of brodes seen Number seen along creek	-		0			
read nagres-	Number of nests seen an			0			
Seals	Number seen at mouth of			0			
	Estimate length along b			400 yds.			
	Estimate depth out from			200 yds			
	Eel grass present on wh		S	thin fringe at			
	1 otter in the creek.			0 tide.			

Observers: R.Larson, Ward 7 FORM STREAM INVENTY Date: 9-10-75 48° Name: Fitzgibbon Cove Temperature: Weather: Clear Number: 101-75-69 & 70 Right Left Station No. 1 Pool Size/Type 2/2 2/2 Riffle Type 8'W 14'W Width-Depth .44'D .6'D Pool Riffle Frequency 1 2 Bottom Type (Riffle) 4 4/5 Color/Turbidity 2/2 2/2 Velocity 2 2 Flow (C.F.S.) 1.5 3.13 Temp. (°F.) 48° 46 pΗ 4.5 4.5 Fry Abundance 8-1 Benthos Sample No.

General Remarks (rehab., land use, barriers, log jams, etc.): Is very small stream; is included because it may have some rearing potential.

Higher Plant

Aquatic Veg.

(2) Algae

3

2

2

2

2

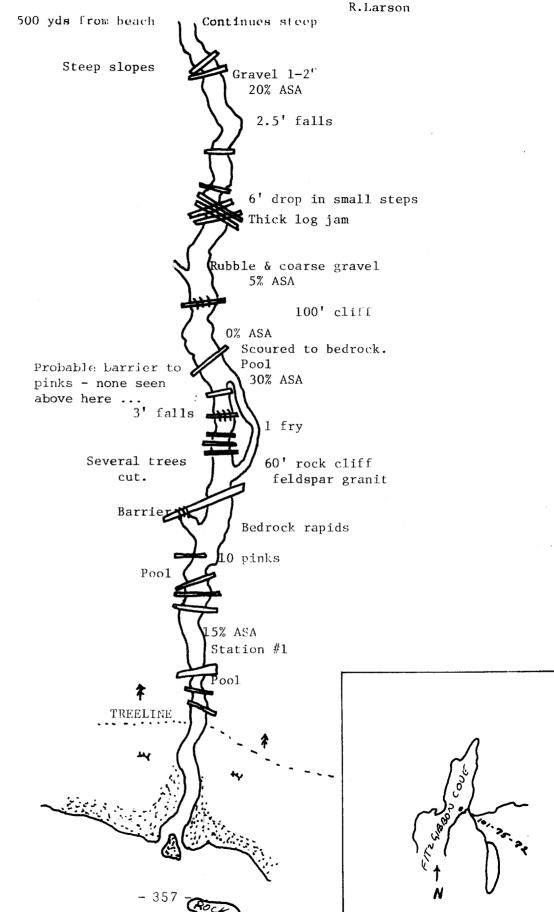
Class

Density
Ident.
(1) Mosses

01-75-70 DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-75				1 @ I.T. Walked to barrier.
			- 356 -	

Lakes - 300 yds upstream.

Fitzgibbon Cove 101-75-72 9-9-75 R.Larson



Name Fitzgibbon Cove	Catalog No. 101-75-72	
Name Fitzgibbon Cove Latitude N 55° 58' 52" Longitude W 131° 10' 29"	WIT NO. 47A	
Longitude <u>W 131° 10' 29"</u>	K No. 46A Work Area <u>Ketchikan</u> bbon Waveershed Length 4.2 miles (
Geodetic Map No. Ketchikan D-4	Work Area <u>Ketchikan</u>	
Location Denm Canal, Westside Fitzgi	bon waveersned Length 4.2 miles (both tribs.)
Drainage Area of Watershed 4.8 Water Supply Type Precipitation	lake on right fork	
waser Suppry Type Trecipitation	, take on right fork.	
normal water levels.	bed has considerable debris but can be w	
Aerial Survey Notes Stream is sm	all and has too much overhead cover.	
Anchorage Good anchorage in the i	nner cove.	
Fig. Store When Sunyound 11.15		
Tide Stage When Surveyed Half	tide.	
FISHERY RESOURCES		
	potential stream due to limited spawning	
ing facilities. There may be rear	ing area in the lake for sockeye and coh	os.
Sparming areas 167 m ² (2001) 201 vi	unknown. 9-10-75=10 live & 7 dead pinks 0% ASA) < 1000 in Fed. Ca	+
Species Composition The major	species is pink salmon.	<u>L e </u>
opeoleb composition include	opecies to princ surmon.	
Timing September		
Schooling areas Off the mouth	A	
		-
Shellfish Potential <u>Clams an</u>	d crabs on delta and in the bay.	
Sport Fisheries Trout reporte	d in creek and lake.	
Land Use at Present None		
Hand obe as ilebons work		
History of Land Use Unknown		
		and the second state of th
	n several places windfall in stream may	be barriers
to pinks in lower section.	ream scouring to bedrock and rotten bedr	ook oliffo
along right bank.	ream scouring to bedrock and rotten bedr	OCK CITIES
GAME RESOURCES		
Bear Fish carcasses or bo Number of droppings	nes (old or fresh) on banks, estimate	2 1
Geese Number seen on tide	flats	0
Number seen up creek		0
Number of broods see		0
Mallards Number seen on tide	· · · · · · · · · · · · · · · · · · ·	0
Number seen up creek		0
Number of broods see		0
Mergansers - Number of broods see		1 adult 0
Bald Eagles- Number seen along cr Number of nests seer		0
Seals ———— Number seen at mouth		1
Tide flats - Estimate length alor		0
Estimate depth out f		0
	n what percent of flats	0

STREAM INVENTORY FORM Observers: R.Larson, Ward Date: 9-10-75 Name: Fitsgibbon Cove Temperature: Weather: CLear Number: 101-75-72 Station No. 1 Pool Size/Type 3/1 Riffle Type 21 'W Width-Depth Pool Riffle Frequency 3 Bottom Type (Riffle) 5/4 Color/Turbidity 2/1 Velocity 2 Flow (C.F.S.) 36 Temp. (°F.) рΗ 4.5 Fry Abundance

(1) Mosses
(2) Algae

1

General Remarks (rehab. land use, barriers, log jams, etc.): Much windfall debris in creek some of which may be

Benthos Sample No.

Class

Density Ident

Higher Plant

Aquatic Veg.

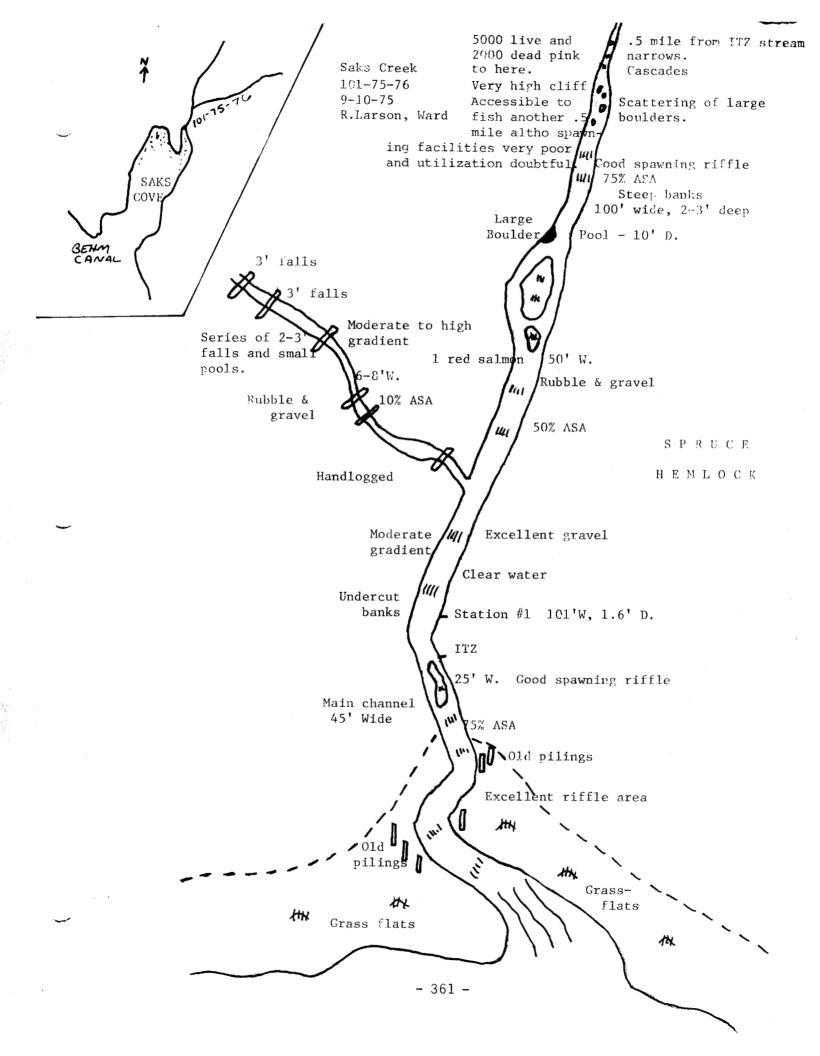
1

3

General Remarks (rehab., land use, barriers, log jams, etc.): Much windfall debris in creek some of which may be barriers to fish passage at low water.

(

Fitzgibbc 101-75-72				
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-16-63				Visibility fair.
8-12-64				Stream very small.
8-16-65				Visibility good
7-18-66				Visibility good
9-9-75	10			7 dead pink. 3 at I.T.
				,
	-			
		Ì	- 360 -	



Name Sake Cree	ak	Catalog No. 101-75-76 WR No. 42 K No. 46	
Latitude N	55° 56' 08"	WR No. 42	· · · · · · · · · · · · · · · · · · ·
Longitude W	7 131° 07' 05"	K No. 46	
Geodetic Map N	O, Ketchikan D-4	Work Area Ketchikan	
rocation F. Reun	canar.saks cove s. nea	d wavershed bengun 3.3 miles	
Drainage Area	of Watershed 26 sq	. miles into this stream, Saks Lake and a sm	1 1
Water Supply T	'ype Two Takes drain	into this stream, Saks Lake and a sm	naller
unnamed lake.	y Doutes This is a f	airly easy stream to walk. There are	a covered
game trails.	y Rouces Inis is a i	arriy easy stream to wark. There are	severar
Aprial Survey	Notes This stream i	s wide and the water is clear enough	to allow
sufficient visibi	llity for aerial survey.	s wide and the water is clear enough	CO GLEON
Anchorage Good	l anchorage north of mou	th off sand beach.	
Tide Stage Whe	en Surveyed <u>lst ha</u>	lt of flood.	
FISHERY RESOUR	RCES		
Commercial F	Fisheries Pink, chu	m, coho	· · · · · · · · · · · · · · · · · · ·
			· · · · · · · · · · · · · · · · · · ·
Escapement	High escapement 30,00	0 pink, 500 chum in September 1943.	Spawning
area: 10451 r	$_{\rm n}^2$ (2500'L x 75' W x 60	% ASA)	
Species comp	oosition Unknown b	at mostry prink	
Timing Midd	le - August, September.		
Schooling a	reas There are schoo	ling areas from the mid-tide mark to	the high tide
mark, concent:	rated mainly in the shal	low pools around the bend	
Shellfish Po	otential There is repo	rted to be good dungeness crab fishir	ng in Saks
Cove.			
Sport Fishe:	ries Cuthhroat and ra	inbow trout.	
Land Use at	Present None		
Wictory of	I and I so The area Ha	s handlogged as evidenced by many lar	rgo notchoo
decaying stum	ps along the creek banks	s nandrogged as evidenced by many ran	ige, notched
Rehabilitat	ion Potential None	needed to increase salmon production	potential.
	was a second from the second f		
Soils Soil	s are stable through ste	ep banks along certain portions of th	ne creek
could lead to	some slide activity.		
GALÆ RESOURCES			
Pear	Fish carcasses or hone	s (old or fresh) on banks, estimate	50
	Number of droppings	o (ora or recoil) oil barrio, obtains	15
Geese	Number seen on tide fla	ats	0
0.0000	Number seen up creek		0
	Number of broods seen		0
Mallards	Number seen on tide fla	ats	0
	Number seen up creek		0
	Number of broods seen		0
	Number of broods seen		2
Pald Eagles-	Number seen along cree		2
	Number of nests seen a		0
	Number seen at mouth o		0
Tide flats -	Estimate length along		400 yds
	Estimate depth out from		40 yds 5%
	Eel grass present on w	nav percent of flats	J/6

				<u>S</u>	TREAM	INVENT	ORY FO	RM		Obser Date:	vers:	R, I	arson,	D. War	d
				N	ame:	Saks Co	ove Cr	eek		Tempe	rature	: 58	0		
					umber:					Weath	er:	Clear			
Station No.	1														
Pool Size/Type	1/2														
Riffle Type Width-Depth	101'W														
Pool Riffle Frequency	3														
Bottom Type (Riffle)	4	* • • • • • • • • • • • • • • • • • • •													
Color/Turbidity	1/1														
Velocity	2														
Flow (C.F.S.)	306														
Temp. (°F.)															
pН	5														
Fry Abundance															
Benthos Sample No.															
Higher Plant Class	1														
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	3 2														

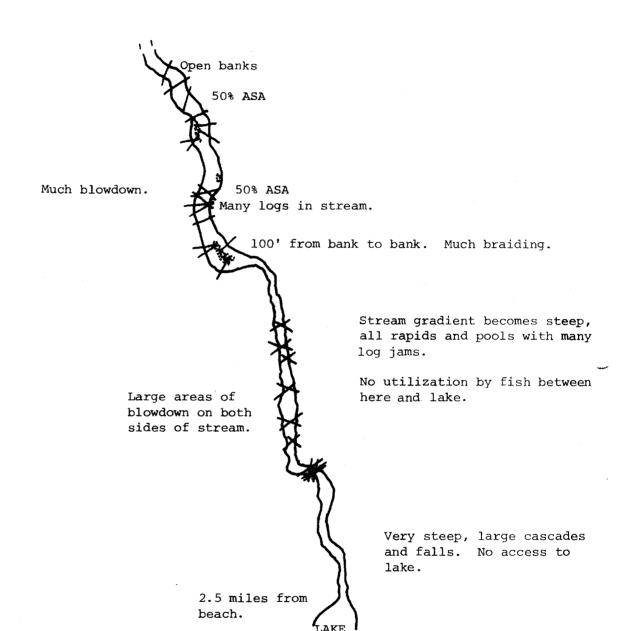
General Remarks (rehab., land use, barriers, log jams, etc.):

Saks Creek 101-75-76

101-75-76	5			
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-15-33				5-6000 fish in stream.
9-16-38	3,000			
9-21-42	30,000	500		Excellent.
9-16-43	7,000	1,000		
9-27-47	300	150		3 times more dead than live.
7-17-49		25		Only survey.
8-11-50	4,500	825		Good showing. 25 dead pink, 100 dead chum.
9-4-51	11,000	325	20 coho	4,600 above marker. 2,700 dead pinks- 20 dead chum.
8-11-52	5,500	180		50 dead pinks, few dead chum.
8-19-53	3,900	1,600		
8-23-54	11,000			
8-23-55	6,000			1000 chum 8-12.
8-24-56	13,000			3,000 chum 8-17.
8-11-57	17,500			
7-25-60	300	100		All schooled, none spawning.
8-2-61	2,100			Some spawning.
7-31-62	3,900			Vis. excellent.
7-29-63	800	3		Vis. fair.
8-18-64	6,000	1,000		All spawning, few dead.
8-16-65	700			Vis. fair to excellent.
8-24-66	6,100			Vis. fair. Many dead, fish spawn.
8-7-67		60		Vis. excellent in creek. 1 ball @ mouth.
7-29-68	8,300	800		Visibility excellent.
8-6-69	50		15 kings	Visibility fair.
8-4-70	6,400	1,100	- 364 -	I.T. included in stream count.

Saks Creek 101-75-76

101-75-76	5			
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-12-71	600	100		Visibility fair.
7-31-72	9,400	few 100		6 balls in bay. 1000 @ mouth. Visibility good.
8-1-73	2	4 0		3 balls @ mouth, Vis. excellent
8-15-74	8,0	0		Visibility good.
8-18-75	16,300			500 dead. Vis. excellent. 1000 @ I.T. 1 school at mouth.
:				
			- 365 -	



Name: Robi	inson Creek	Catalog No.: 101-75-80	
Latitude:	inson Creek 55 43' 10" 31 04' 29"	WR No.: 41 K No.: 45	
Longitude: 13	31 04' 29"	K No.: 45	
Geodetic Map No	.: Ketchikan D-4	Work Area: Ketchikan	
	nore Behm Canal 6 miles		
NW of Chickamin	n River.	Drainage Area: 20 sq. miles	
Water Supply Ty	pe: Water supplied by :	snowfields, lake, and precipitation.	Lake out-
let is 2 miles	upstream is 1.3 mi. long	and has average width of .2 miles.	
		e trail on south side of stream, othe	rwise walk-
	be difficult in streambed		· · · · · · · · · · · · · · · · · · ·
erial Survey N	otes: This stream has l	imited visibility from the air. Stee	p valley
sides and canor	by covering make aerial s	urvey difficult.	
Anchorage: Tenbank.	mporary anchorage in clos	e to south shore of cove, 100 feet of	f bedrock
lide Stage when	Surveyed: High tide.		
FISHERY RESOURC	ES		
		coho. Accessibility to upstream area	s difficult
		and the second s	D ATTTOM
Escapement: H:	igh - 80,500 pink 8-8-49.	Since 1961, 10 yr.ave. 870.	
Spawning area	$a = 17,560 \text{ m}^2 (4500' \times 70' \times 10^{-3})$	60% ASA)	
	sition: Mostly pink.		
Timing: Ea:	rly - July, August.		
Schooling Are	eas: Salmon school in	mouth of stream and in the pool belo	w the high
tide mark.			
Shellfish Pot	ential: Very limited.		
Sport Fisheri	es: Trout in lake.		
Land Use at F	Present: None		
71' 1	This area wa	a handlegged in the next	
History of La	and Use: Illis area wa	s handlogged in the past.	
Debebilitatio	on Dotontial. No rehabi	litation needed to increase salmon pr	oduction
	falls may be difficult to		oduction,
		reate potential slide hazard. Soil s	+abiliter
is marginal.	b, gracial valley sides c	reace potential slide nazard. Soll S	Lability
15 marginar.			
GAME RESOURCES	v.		
Bear	Fish carcasses or bones	(old or fresh) on banks, estimate	manv
Dear		1 black bear sighted.	I Carley
Geese	Number seen on tide fla	·	
C.C.C.	Number seen up creek	·	and the state of t
	Number of broods seen		general de la company de la co
Mallards		its.	
: METAL GO	Number seen up creek		
	Number of broods seen	•	
Mergansers -			1
Bald Eagles-			<u>_</u>
baid bagies-	Number of nests seen an		1
Seals		in recation	
Sears Tide flats -		neach	
iide iides -	Estimate depth out from		
	Fal grass present on wh		

STREAM INVENTORY FORM Observers: R.Larson, Ward Date: 9-11-75 Name: Robinson Creek Temperature: 72 Weather: Clear Number: 101-75-80 Station No. 1 Pool Size/Type 1/1 Riffle Type 38'W Width-Depth Pool Riffle Frequency 3 Bottom Type 5/4 (Riffle) Color/Turbidity 1/1 Velocity 2 Flow (C.F.S.) 128 Temp. (°F.) 48 рΗ 5 Fry Abundance Benthos Sample No. Higher Plant Class 1 Aquatic Veg. 1 Density

General Remarks (rehab., land use, barriers, log jams, etc.): Handlogged in the past.

Ident.
(1) Mosses

(2) Algae

1

(

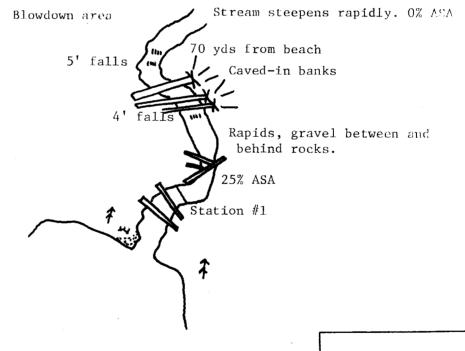
Robinson Creek

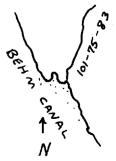
101-75-80				The state of the s
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-16-33	20,000			
8-16-37	32,000	8,000		
9-6-38	1,000			
9-19-40				Only survey, no fish seen.
8-2-41	50,000			
9-21-42	1,000	50		-
9-16-43	5,000	1,000		Fair. Indications of good early run.
9-12-47	6,000			
8-12-48				Fair. Some chum and pink.
8-8-49	80,000			500 dead pink, 3 dead chum.
8-10-50	5,000	1,100		250 dead chum.
8-1-51	50,000	150		Extreme crowding. 400 dead pink.
8-1-52	4,800	400		
8-2-53	3,550	440		
8-5-54	4,000	3,500		
8-2-55	19,000			
9-12-56	21	3		
8-11-57	5,000		150 red on 7-28.	
8-9-60				Some present.
7-14-61				Vis. poor. Fish are present.
8-17-62				l jump. No survey.
7-16-63	200?			Vis. excellent. 1 seal.
8-4-64				Visibility poor.
8-16-65	B COMMISSION OF THE COMMISSION			Visibility good.
7-31-67	pr	esent		No fish off mouth. Vis. fair.
8-12-71	5,000		- 370 -	Visibility poor.
	1	i .		The state of the s

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
7-31-72				1000 I.T., 4 balls @ mouth. Visibility fair.
2 15 72	15,000			Water high and dark.
8-15-73	13,000			50 chums @ mouth. Vis. good.
7-20-74				25,000 @ mouth & I.T.
7-28-75				
	·			
		1		

Hat Creek 101-75-83 9-11-75 R. Larson, D.Ward

This is a small steep gradient stream with many large rocks and considerable windfall in the streambed.





Name Hat Cree	k 55° 51' 58" 131° 03' 19" Wo. Ketchikan D-4 e Behm Canal 5.9 mi SW of	Catalog No.	101-75-83	
Latitude N	55° 51' 58''	WR No.		
Longitude W	131° 03' 19"	K No.		
Geodetic Map 1	No. Ketchikan D-4	Work Area Keto	hikan	
Drainage Area	of Watershed 2.5 s	q. mi		
Water Supply 5	Type Precipitation fed.			
Trails & Surve	ey Routes Difficult	walking on stream	bed.	
A	The second second			
feasible.	Notes This stream is	too short and narr	ow to make aerial	survey
	mporary anchorage off mout	h of Dolinson Cros	Jr 1 5 md los month	
Andhorage 1e	mporary anchorage oil mout	n or kodinson cree	k 1.3 miles north	
Tide Stage Who	en Surveyed High			
FISHERY RESOU				
Commercial .	Fisheries Pink			
Escapement	Unknown. No historical	record 70 mink	e 9-11-75	
- Dockbewello	(210'L x 10'W x 25% ASA)	Snawning area = 49	3 m ²	
Species Com	position Unknown. Pro	bably all pinks.	<u> </u>	
Timing	Middle - August, Septembe	r.		
Schooling a	reas None noted.			
Shellfish P	otential <u>Unknown</u>			
On and Disaba				
Sport Fishe	ries <u>Unknown</u>			
Land Mse at	Present None			
mand obe ac				
History of	Land Use <u>Unknown</u>			
V				
Rehabilitat	ion Potential No r	ehabilitation need	led to increase sal	mon
production po	tential.			
	Sils appear to be generall			collapsed
the banks int	o the stream at the beginn	ing of the steep s	section.	
GAME RESOURCES				
Bear	Fish carcasses or bones	old or fresh) on	banks, estimate	0
and the County	Number of droppings	(024 02 12 00.17) 011		3
Geese	Number seen on tide flats	3	-	0
	Number seen up creek		-	0
	Number of broods seen		-	0
Mallards	Number seen on tide flats	3	-	0
	Number seen up creek		_	0
	Number of broods seen		•	0
	Number of broods seen		***	0
Bald Eagles-	Number seen along creek		_	2
	Number of nests seen and		-	0
	Number seen at mouth of			0
Tide flats -	Estimate length along bea			30 yds
	Estimate depth out from I			20 yds 0
	Eel grass present on wha	l percent of flats	; _	U

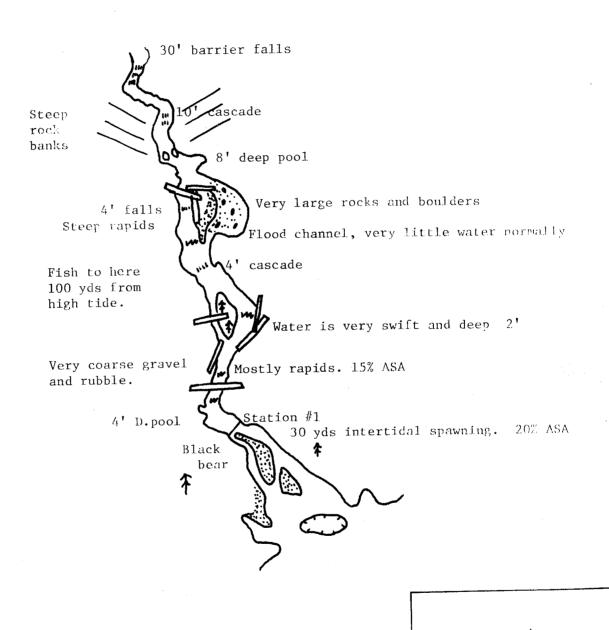
			ST	STREAM INVENT Y FORM					! -	Observers: R.Larson, Ward(Date: 9-11-75				<u> </u>	
				Name: Hat Creek					•	Temperature: 69° Weather: CLear					
					Number: 101-75-83)	Weathe	r: CLe	ar			
Station No.	1														
Pool Size/Type	3/2														
Riffle Type Width-Depth	18'W .89'D														
Pool Riffle Frequency	3													-	
Bottom Type (Riffle)	5/4														
Color/Turbidity	1/1														
Velocity	2												•		
Flow (C.F.S.)	23														
Temp. (°F.)															
рН	5														
Fry Abundance															
Benthos Sample No.										-					
Higher Plant Class	1														
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	3						ì				·				

General Remarks (rehab., land use, barriers, log jams, etc.):

Hat Creek

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
11-75	40	an dagadan . , , at hough , aragacha, changas, , ann a capatagana,		20 @ mouth, 10 @ I.T.
			- 375 -	

Indian Creek
101-75-85
9-11-75
R. Larson, R.Ward



Indian Creek	Name India	n Creek	Catalog No.	101-75-85	
Secdetic map No. Ketchikan D-4 WOTK HTML Location E.Behm C. 2.5 mi N. Portage Gove Watershed Length 15 miles including 2 me brainage Area of Watershed 17 sq. miles Water Supply Type Three small lakes, muskeg area, and glacial area Trails & Survey Routes Fairly easy walking in stream hed. Acrial Survey Notes This stream is too short to make aerial survey feasible. Anchorage Nearest anchorage is in small bight at southern entrance to Portage Cove but even that is at best a temporary anchorage. Tide Stage When Surveyed Ist half of flood. FISHEPY RESOURCES Commercial Fisheries Pink Escapement Unknown. No historical record. (750'I. x 40'W x 15% ASA) Spawning area = 418 m² Species Composition Unknown, probably all pink Timing Middle - Aug., Sept. Schooling areas None noted. Shellfish Potential Unknown - probably very limited. Sport Fisheries Probably Dolly Varden Land Use at Present None History of Land Use Unknown Rehabilitation Potential None needed to increase salmon production potential. Soils Soils appear to be stable but steep banks tend to create a potential slide hazard. CAPTE RESOURCES Bear Fish carcasses or bones (old or fresh) on banks, estimate 25 Number of droppings 1 black bear sighted 15 On Number seen on tide flats 0 On Number seen on tide flats 0 On Number seen on tide flats 0 On Number seen on tide flats 0 On Number seen up creek 0 On Number seen	Latitude N	121 021 271	WA NO.		
Decation E.Behm C. 2.5 mi N. Portage Cove Watershed Length 15 miles including 2 me prainage Area of Watershed 17 sq. miles water Supply Type Three small lakes, muskeg area, and glacial area. Trails & Survey Routes Fairly easy walking in stream bed. Aerial Survey Notes This stream is too short to make aerial survey feasible. Anchorage Nearest anchorage is in small bight at southern entrance to Portage Cove but even that is at best a temporary anchorage. Tide Stage When Surveyed 1st half of flood. FISHERY RESOURCES Commercial Fisheries Pink Escapement Unknown. No historical record. (750'L x 40'W x 15% ASA) Spawning area = 418 m² Species Composition Unknown, probably all pink Timing Middle - Aug., Sept. Schooling areas None noted. Shellfish Potential Unknown - probably very limited. Sport Fisheries Probably Dolly Varden Land Use at Present None History of Land Use Unknown Rehabilitation Potential None needed to increase salmon production potential. Soils Soils appear to be stable but steep banks tend to create a potential slide hazard. CAME PESCURCES Bear Fish carcasses or bones (old or fresh) on banks, estimate 25 Number of droppings 1 black bear sighted 15 Number seen on tide flats 0. Number seen on tide flats 0. Number seen on tide flats 0. Number seen on tide flats 0. Number seen on tide flats 0. Number seen on tide flats 0. Number seen on tide flats 0. Number seen on tide flats 0. Number seen on tide flats 0. Number seen on tide flats 0. Number seen on tide flats 0. Number seen on tide flats 0. Number seen on tide flats 0.0 Number seen on tide flats 0.0 Number seen on tide flats 0.0	Congitude w	131 03 37	Nonk Aron		
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Mergansers - Number of broods seen 0			7		
Eald Eagles- Number seen along creek 0 Number of nests seen and location 0	raid hagies-				
Seals Number seen at mouth of stream 0	Coolo				
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			beach		70 vds.
Eel grass present on what percent of flats 0		Estimate length along 1			70 yds. 30 yds.

			Na	me Ind.	ian Cr	eek			•	Tempera	iture:	54	0					
				Name <u>Indian Creek</u> Number: <u>101-75-85</u>			-		1	Weather	c: <u>C1</u>	ear						
	1	 	 INU.	mber:	101-/5	-85	37						<u> </u>					
Station No.	1												·					
Pool Size/Type	2/1		,															
Riffle Type Width-Depth	63'W					-												
Pool Riffle Frequency	3																	
Bottom Type (Riffle)	5/4																	
Color/Turbidity	1/1																	
Velocity	2																	
Flow (C.F.S.)																		
Temp. (°F.)	154 49°																	
рН	4.5	 																
Fry Abundance	4.3																	
Benthos Sample No.																		
Higher Plant																		
Class Aquatic Veg. Density Ident. (1) Mosses	3																	
(2) Algae	1						<u> </u>	<u> </u>			<u> </u>		<u> </u>					

STREAM INVENIO

Observers: R.Larson, Ward

9-11-75

General Remarks (rehab., land use, barriers, log jams, etc.):

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Indian Creek

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
0-1-47				None observed.
-15-51	150			No fresh fish. 300 dead pinks.
-3- 52	20			
-1-53	7	5 chum 8-5		
-11-75	75			100 dead pink. 75 @ I.T.
				·
	·			
			·	
			-	
			- 379 -	

ACKNOWLEDGMENTS

Gerry Downey, Bruce Dinneford and Tim Jackinsky contributed considerable efforts to the field surveys. Catalog format and initial field work is attributed to Paul Novak. A special thanks to Sharon Peterson for her help in manuscript preparation and to June Grant and Gary Finger for their assistance in publication and planning.

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O.E.O. U.S. Department of the Interior Washington, D.C. 20240